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SONY K-55XR5 DISMANTLING INFORMATION FOR USE

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DISMANTLING INFORMATION for USE by PROFESSIONAL RECYCLERS

ORIGINAL MANUAL ISSUE DATE: 2025.05

Model:

K-55XR5 K-65XR5 K-75XR5 K-85XR5 K-98XR5

9-888-933-41

LCD TV

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SONY

Sony EMCS (Malaysia) Sdn. Bhd. HES-M
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MODEL LISTS

Self Diagnosis Supported model

MODEL	REMOTE	DESTINATION
K-55XR5	RMF-TX820U RMT-TX450E	CEI, UKA
K-65XR5	RMF-TX820U RMT-TX450E	CEI, UKA
K-75XR5	RMF-TX820U RMT-TX450E	CEI, UKA
K-85XR5	RMF-TX820U RMT-TX450E	CEI, UKA
K-98XR5	RMF-TX820U RMT-TX450E	CEI, UKA

RMF-TX820U

RMT-TX450E

TOOLS & EQUIPMENTS

1 LIST OF ITEM TO PREPARE

i. Screwdriver (e.g., #2 Phillips Screwdriver).

ii. Multimeter.

iii. ESD Wrist Straps.

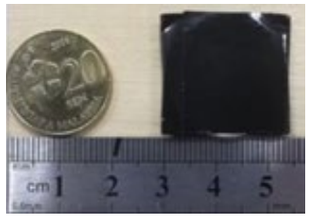
iv. Metal Washer (Flat) or Coin - to remove Rear Cover.

> Thickness: approx. 1.5 mm
> Diameter: 20~25 mm (wrap in tape (L=50 mm))

v. Ruler - to remove Rear Cover.

> Plastic or Metal Ruler (In case of Metal ruler, wrap in tape (L=50 mm) for prevent scratches)

vi. Service Manual



2 OPTIONAL EQUIPMENTS

i. Screwdriver (e.g., #0 Phillips Screwdriver).

ii. Parts Tray for loose screws and small items.

iii. Flashlight.

For Surface Mounted Parts / Connector

Hot-Air type soldering iron is needed.

SAFETY NOTES

1-1. Warnings and Caution.

1) CAUTION: These servicing instructions are for use by qualified service personnel only.
2) To reduce the risk of electric shock, do not perform any servicing other than that stated in the operating instructions unless you are qualified to do so.
3) WARNING!!: An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line. The replaceable fuse should be in the neutral of the mains supply. When replacing the fuse, the mains must be disconnected to de-energize the phase conductors. (*Except AC ADAPTOR, because it does not carry out replacing an internal fuse.)
4) CARRYING THE TV: Be sure to follow these guidelines to protect your property and avoid causing serious injury:
   - Carry the TV with an adequate number of people; larger size TVs require two or more people.
   - Correct hand placement while carrying the TV is very important for safety and to avoid damages.
5) SAFETY-RELATED COMPONENT WARNING!!: Components identified by shading and ⚠ mark on the exploded views, and in the parts list are critical for safe operations. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operations are identified in this manual. Follow these procedures whenever critical components are replaced, or improper operation is suspected.
6) IMPORTANT REMINDER FOR TV MAIN BOARD REPLACEMENT:

It is mandatory for service centers to confirm the TV‘s system information after each repair is carried out with Main board replacement. Whenever a TV Main board is replaced, the correct TV Model and Serial number must be reinserted into memory. This is a MANDATORY procedure that each service center must apply. Please refer to the chapter of ADJUSTMENT in this service manual to find out how to set the model number and serial number.

1-2. Caution Handling of LCD Panel.

When repairing the LCD Panel, make sure you are grounded with a wrist band.
When repairing the LCD Panel on the wall, the panel must be secured using the 4 mounting holes on the rear cover.

1) Do not press the panel or frame edge to avoid the risk of electric shock.
2) Do not scratch or press on the panel with any sharp objects.
3) Do not leave the module in high temperature or in areas of high humidity for an extended period.
4) Do not expose the LCD panel to direct sunlight.
5) Avoid contact with water. It may cause short circuit within the module.
6) Disconnect the AC power when replacing the backlight.
7) Always clean the LCD panel with a soft cloth material.
8) Handle the wires or connectors of the backlight circuit with care. Damaging the wires may cause a short circuit.
9) Protect the panel from ESD to avoid damaging the electronic circuit (C-MOS).

10) During the repair, DO NOT leave the POWER ON or Burn-in period for more than 1 hour while the TV is facing down on a cloth. Refer Figure 1.

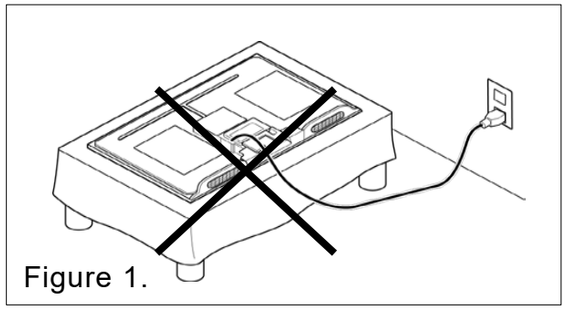


Figure 1.

1-3. Caution_for_Board_handling.

The following problems will occur due to handling of the IC mounted on the board

・Solder crack due to substrate handling (stress).

・IC breakdown due to static electricity (ESD).

When repairing the TV at the customer‘s home or service station or Repair of defect board, please pay attention to the handling of the board.

Substrate that needs attention for handling:

- Main Board（B** Board）
- Backend Board（D** Board）

※Things to prepare in advance.

ESD wrist-strap.

※Caution: ESD wrist-strap to be checked daily.

Use Multi-meter to make sure resistance of ESD wrist-strap is OK.

(R=750K Ohms to 35Mega Ohms)

ESD cushion / sheet

Please use a bag containing the board or a special seat

SAFETY NOTES

1) Caution for Board handling(Stress).Be sure to observe the following contents

i) Hold the board with both hands

ii) Do not hold or push Heat-Sink

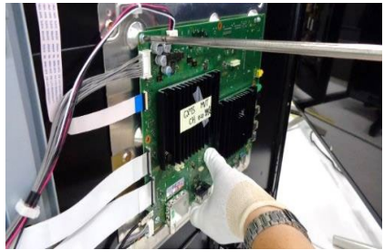
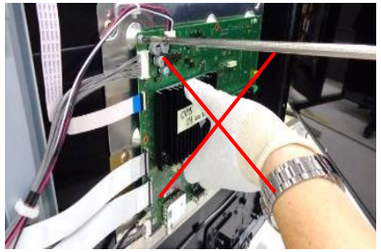
iii) Handle with care. Do not swing

iv) Do not stack up

v) Regardless of good or defective board, always put it on ESD cushion slowly

vi) Keep vertical position and put in/take out from Box. Always put into ESD bag then place into Box/Container Box

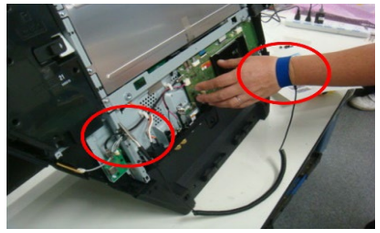
vii) Do not hold Heat-Sink when take out or install it.

2) Caution for Board handling (ESD).Be sure to observe the following contents

i) When take off Rear-Cover, do not touch board.

ii) Use ESD wrist-strap

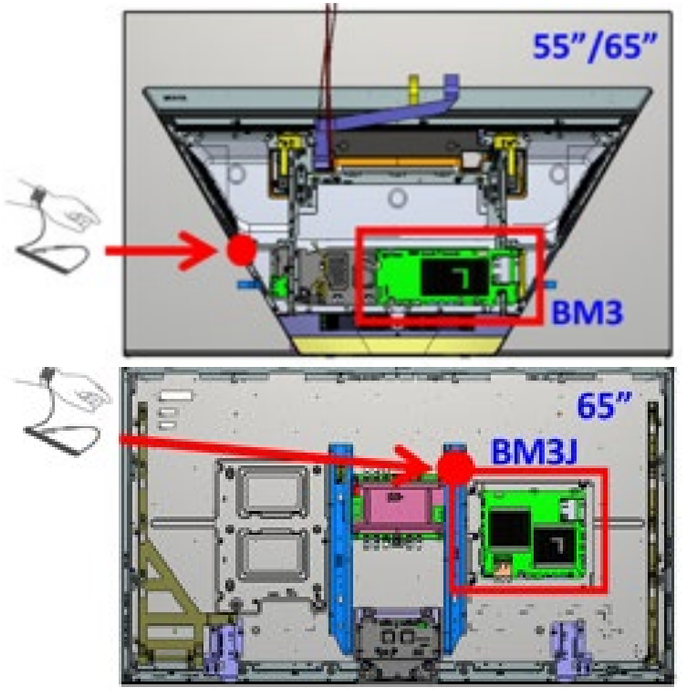


iii) When holding board, do not hit or touch to Plastic part(s)

iv) After take defective board out from TV, put it into ESD bag. Do not place on floor mat/carpet direct. Always put it on ESD cushion.

※Installation example of wrist-strap.

Please connect the clip to the metal part of the chassis of the TV with the wristband grounded. Below is a grounding example of each model.



Example: ＜K*-65Z9F＞

※Caution : ESD wrist-strap to be checked daily. Use Multi-meter to make sure resistance of ESD wrist-strap is OK. (R=750K Ohms to 35Mega Ohms)

1-4. Caution About the Lithium Battery.

1) Danger of explosion if battery is incorrectly replaced.
   Replace only with the same or equivalent type.
2) Outer case broken battery should not contact to water.

1-5. Safety Check-Out

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:-

1) Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2) Check the inter board wiring to ensure that no wires are pinched or contact high-wattage resistors.
3) Check all control knobs, shields, covers, ground straps and mounting hardware have been replaced. Be certain you have replaced all the insulators.
4) Look for unauthorized replacement parts, particularly transistors that were installed during a previous repair. Point them out to the customer and recommend them replacement.
5) Look for parts which show obvious signs of deterioration even though functioning. Point them to the customer and recommend for replacement.
6) Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7) Check the antenna terminals, metal trim, metalized knobs, screws and all other exposed metal parts for AC leakage. Check leakage test as described next.
8) For safety reasons, repairing the Power board and/or Inverter board is prohibited.

1-6. Leakage Test.

(To protect electric shock when customer touch the terminal.). Leakage current can be measured by V: Voltmeter or oscilloscope (r.m.s or peak reading).

Stabilized power supply instrument and isolated voltage transformer:

Use too much current capacity and isolated voltage transformer does not need to use stabilized power supply equipment.

Specification of RMS voltmeter: Input resistance > 1 Mohm, Input capacitance < 200 pF, Frequency range: 15 Hz – 1MHz . Refer Figure 2. Isolated type volt - meter (FLUKE 8921A etc *1).

*1 Not use FLUKE 8920A that connected to protective earth by diode.

Leakage current of measurement instrument is less than 10μArms when under test equipment AC plug is opened.

Set up the following condition and turn on the set. Applied voltage: Nominal input voltage (Description on Nameplate).

Measure the leakage current between one phase conductor and neutral for terminal A and terminal B.

Read rms value and then calculate to peak value PEAK VALUE =√2 RMS VALUE.

Comply with the following requirement.

Class II equipment (2-pin plug): for each terminal, the worst value of measurement must not exceed AC 350uA peak).

Note: including AC adaptor, AC adaptor/DC operated unit combination.

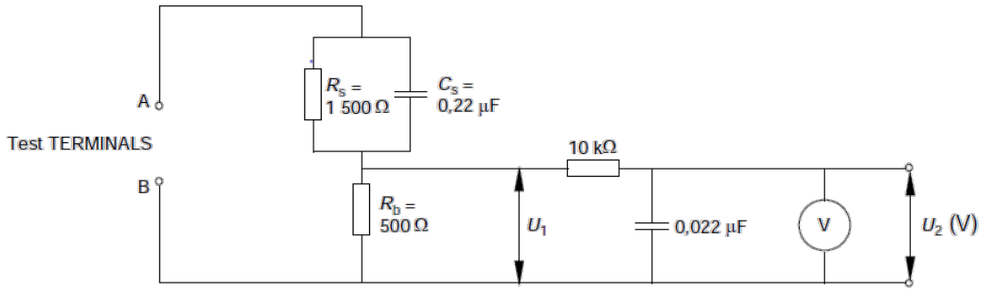


Figure 2 – Measuring network for Leakage Current

1-7. How to Find a Good Earth Ground.

1) A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground.

2) If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

3) If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble-light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure 3).

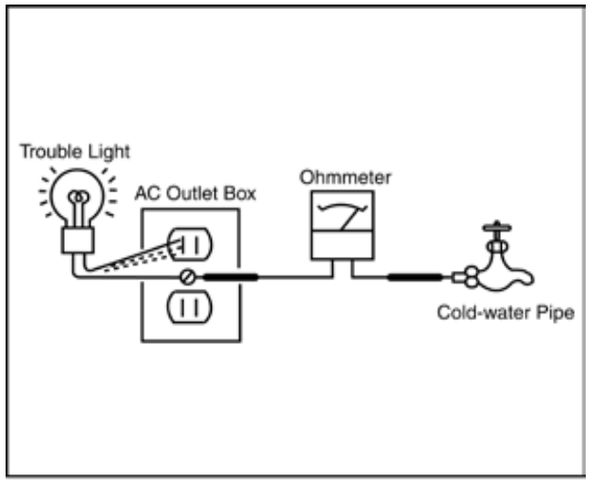


Figure 3. Checking for earth ground.

1-8. Lead Free Information

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation.

Figure 4: LF Logo

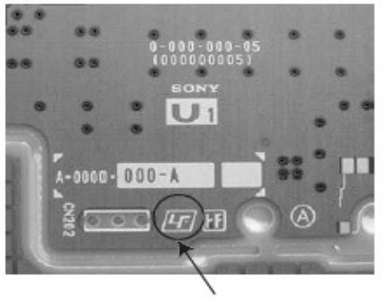


Figure 5: LF logo on circuit board

The servicing of these boards requires special precautions. It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints.

TOOLS & EQUIPMENTS

1 LIST OF ITEM TO PREPARE

i. Screwdriver (e.g., #2 Phillips Screwdriver).

ii. Multimeter.

iii. ESD Wrist Straps.

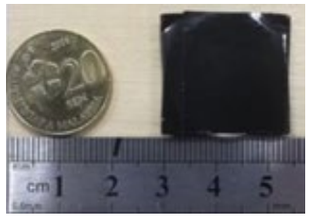
iv. Metal Washer (Flat) or Coin - to remove Rear Cover.

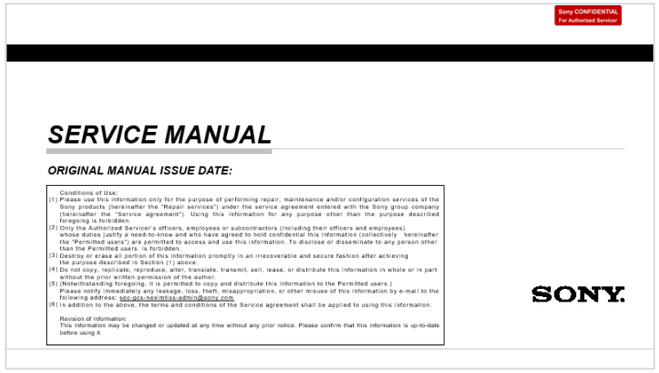
> Thickness: approx. 1.5 mm
> Diameter: 20~25 mm (wrap in tape (L=50 mm))

v. Ruler - to remove Rear Cover.

> Plastic or Metal Ruler (In case of Metal ruler, wrap in tape (L=50 mm) for prevent scratches)

vi. Service Manual - to remove, replace details & troubleshooting info.





2 OPTIONAL EQUIPMENTS

i. Screwdriver (e.g., #0 Phillips Screwdriver).

ii. Parts Tray for loose screws and small items.

iii. Flashlight.

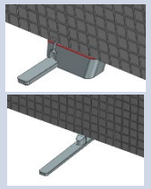
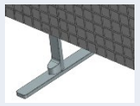
3 PREPARATION BEFORE REPAIRS

Before you begin, unplug the TV from the wall outlet and stand it up on a level work surface to begin removing the Rear Cover. If you are working on a TV that was wall-mounted, and does not have a stand, simply place the TV faced-down on top of a thick blanket, on a large/flat surface, or you may be able to lean it up against a wall near a wall outlet.

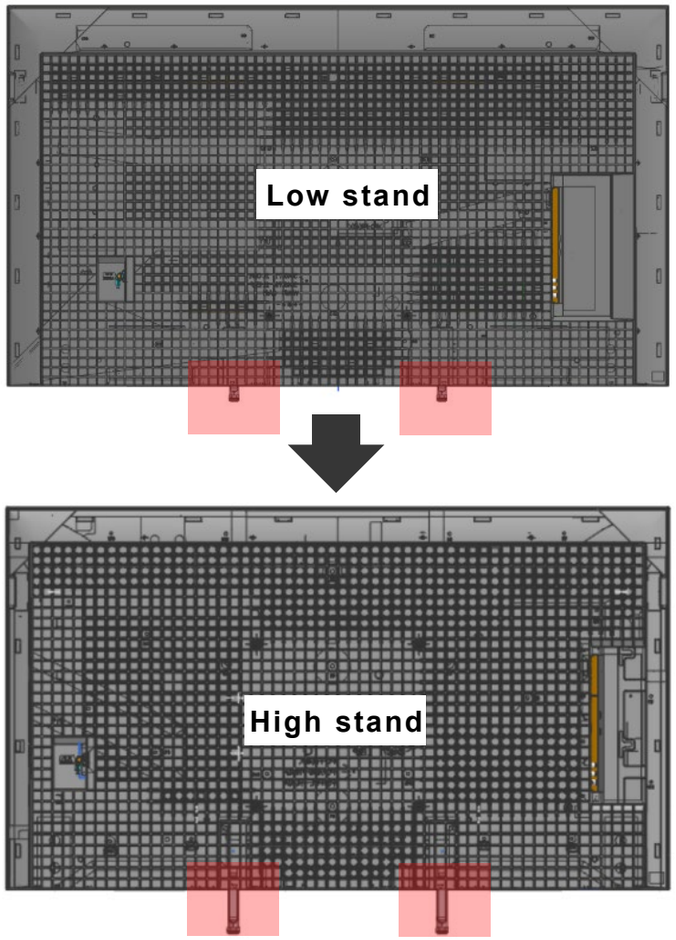
DISASSEMBLY & REMOVAL CAUTION 55”

REAR COVER

Before go to step 1, change the stands to high position.

SEGMENT	STAND TYPE	55”
SJ	INNER LOW	
	INNER HIGH	

Note: Change low stand to high stand



DISASSEMBLY & REMOVAL CAUTION 55”

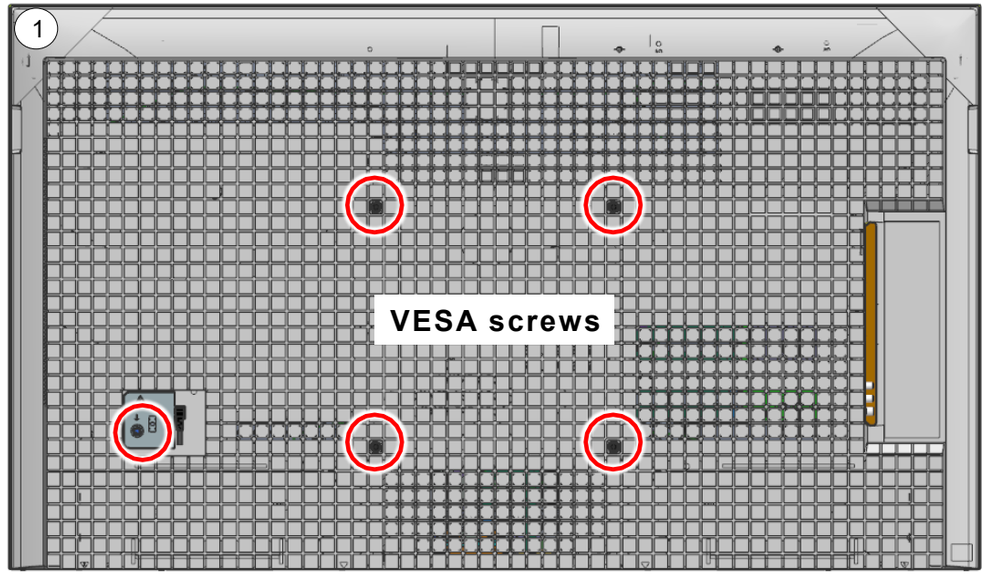
REAR COVER

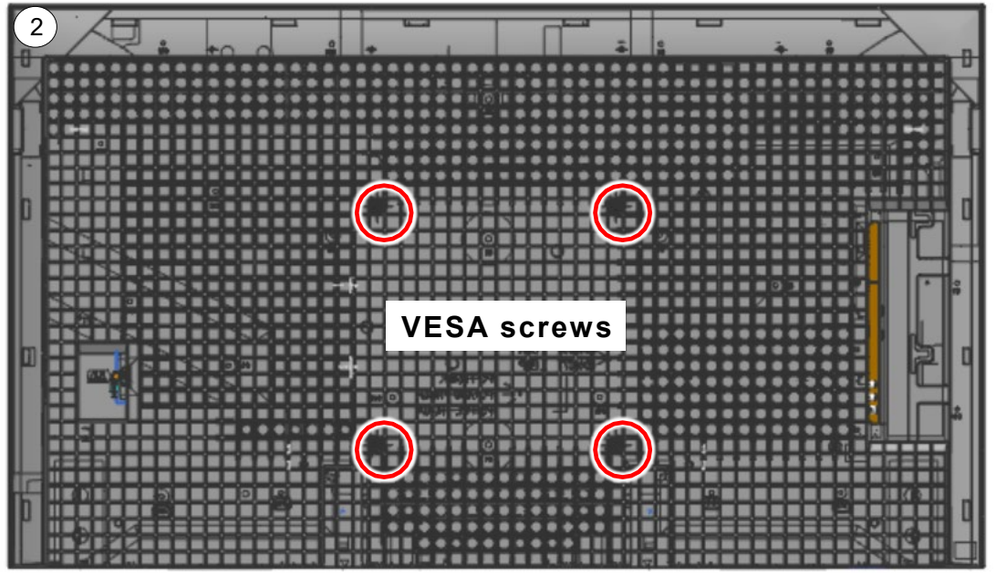
1. Remove the screws from the rear cover (4 pcs).

SIZE	VESA	AC area type		Total screws	
		Pigtail	Inlet	Pigtail	Inlet
55	4 pcs	1 pcs	0 pcs	5 pcs	4 pcs

(1) Pigtail type

(2) Inlet type



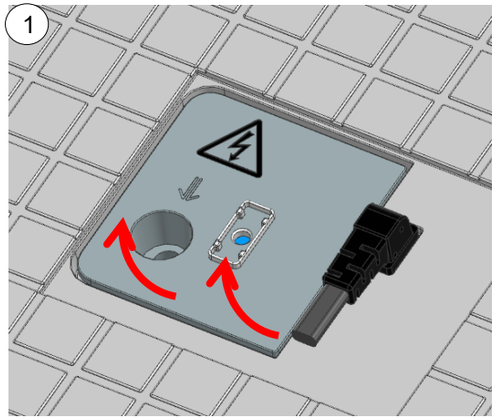


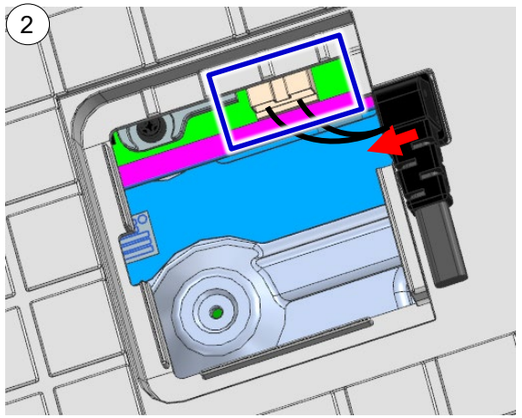
DISASSEMBLY & REMOVAL CAUTION 55”

REAR COVER

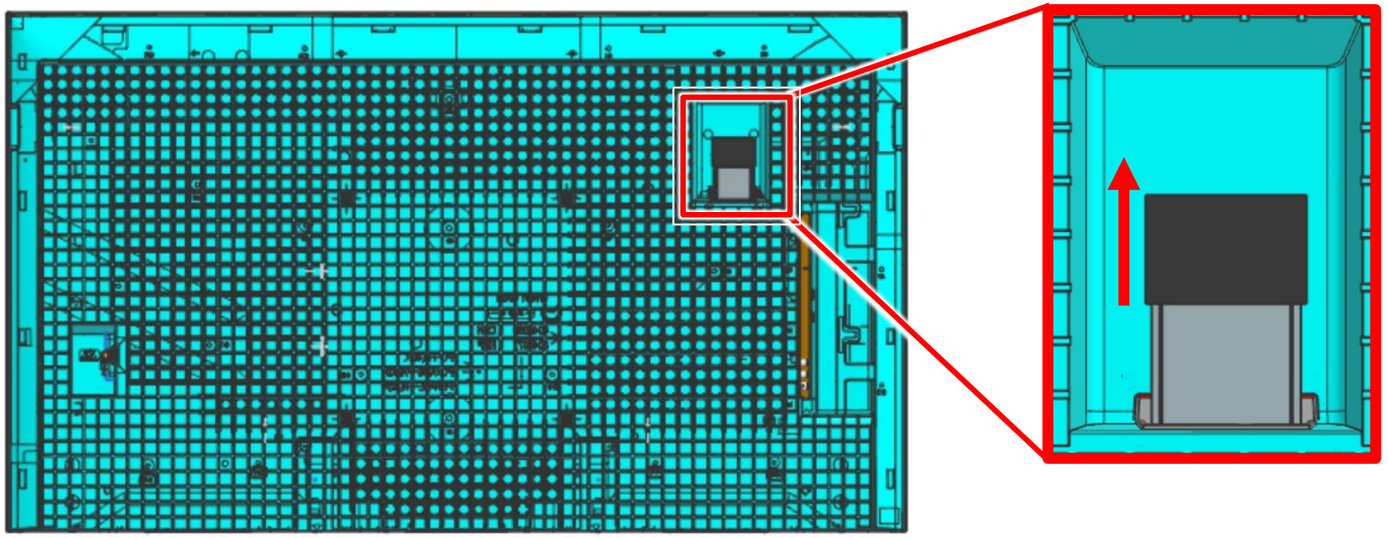
2. ① Remove AC cover

   ② Remove Power Supply Code by disconnect from G-board.
   (Only Pigtail type)





3. Remove Card (Only Card Slot type)

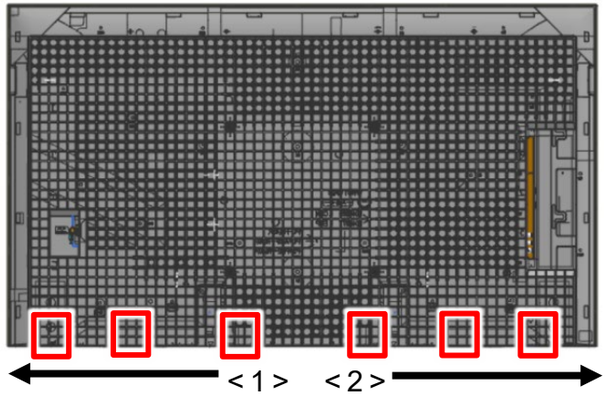


DISASSEMBLY & REMOVAL CAUTION 55”

REAR COVER

※Caution: Use a washer (coin type jig) to remove bottom rear cover.

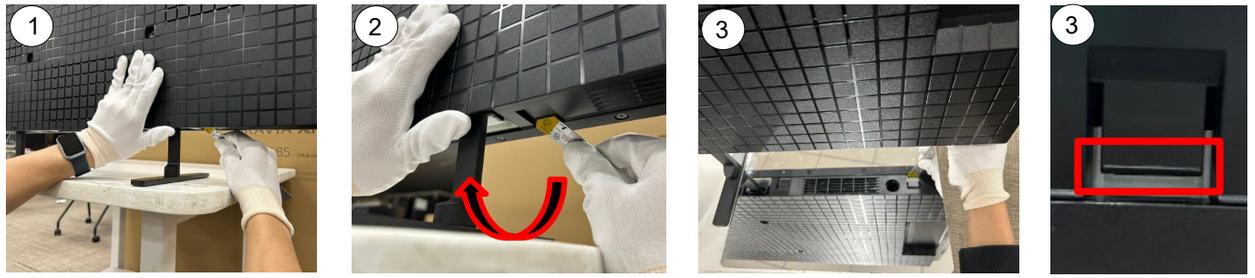
4. Unhook bottom hook, starting from center.



① Unhook two hooks closest to center simultaneously to prevent lock back.

② Unhook both hooks using coin or jig.

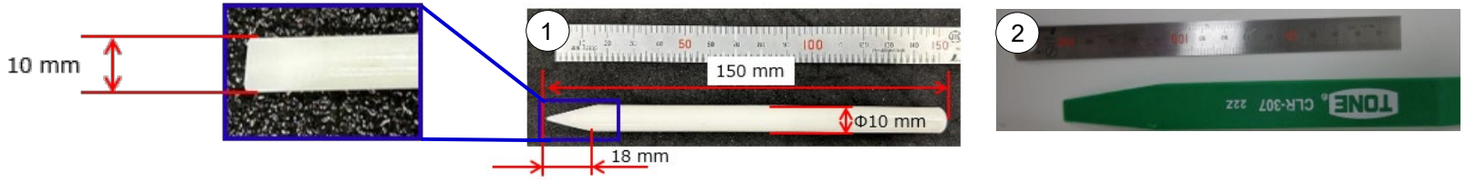
③ Use mirror or touch the line/rib to assist locating the hook position.



Coin or jig to unhook bottom Rear Cover - Bezel hook
*Wrap coin in tape (55mmX25mm)
*Thickness of coin approximately 2mm

Jig information:

① Handmade jig (material =Equal to POM)

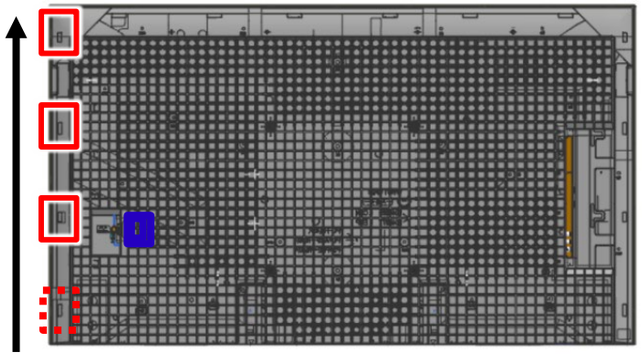


② Clip remover
Can also use off-the-shelf products.

DISASSEMBLY & REMOVAL CAUTION 55”

REAR COVER

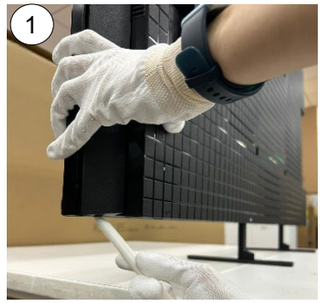
5. Unhook left side hook.

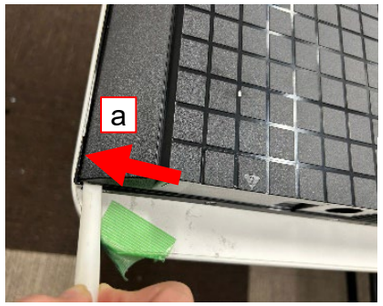


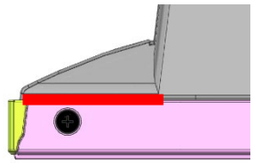
① Insert the jig into the gap between Rear Cover and Bezel bottom, then slide it.

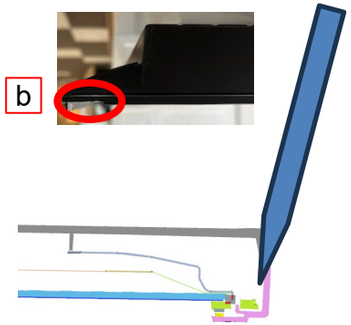
a Slide the jig along the arrow.

b Insert the jig through the groove.







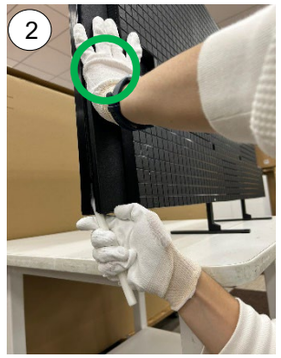


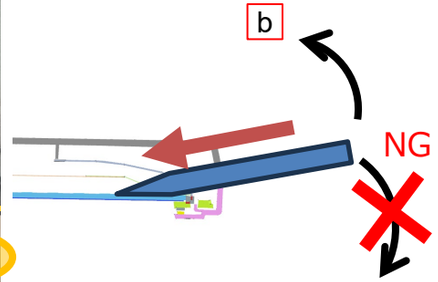
② Press ○ area. Insert the jig further inside.

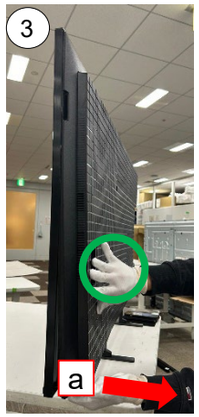
a Press ⌞ area

b Insert the jig (if need).

c Rear Cover boundary.







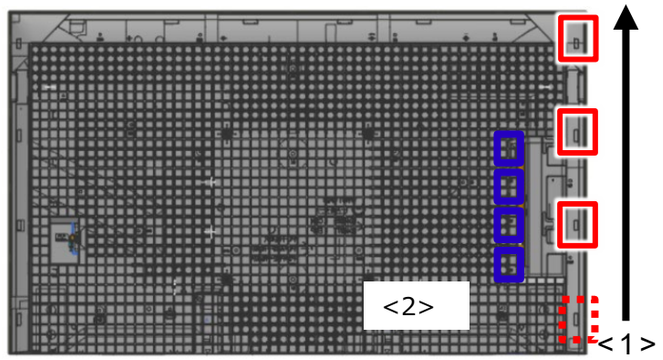
③ Press ○ area.

a Pull Rear Cover to unhook side hooks.

DISASSEMBLY & REMOVAL CAUTION 55”

REAR COVER

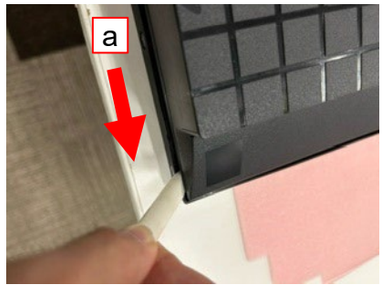
6. Unhook right side hook.

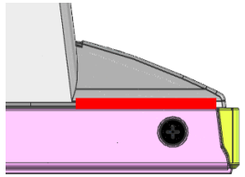


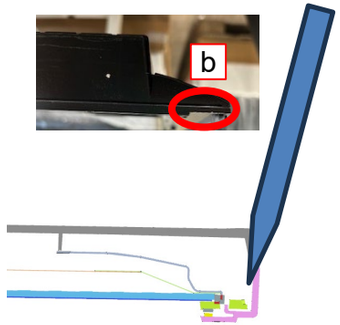
① Insert the jig into the gap between Rear Cover and Bezel bottom, then slide it.

a Slide the jig along the arrow.

b Insert the jig through the groove.

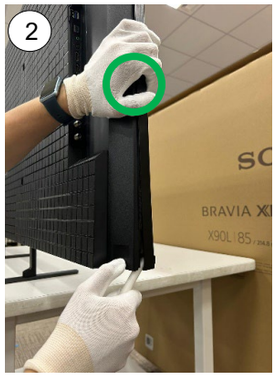


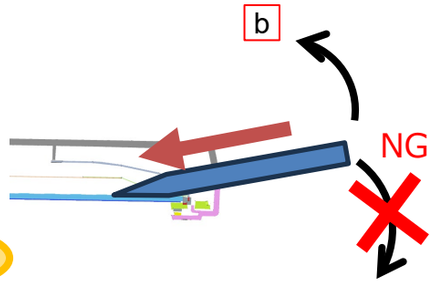




② Press ○ area. Insert the jig further inside.

a Press ▭ area
b Insert the jig (if need).
c Rear Cover boundary.





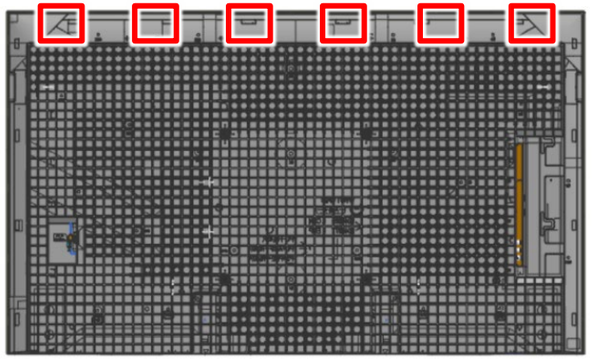
③ Press ○ area.

a Pull Rear Cover to unhook side hooks.

DISASSEMBLY & REMOVAL CAUTION 55”

REAR COVER

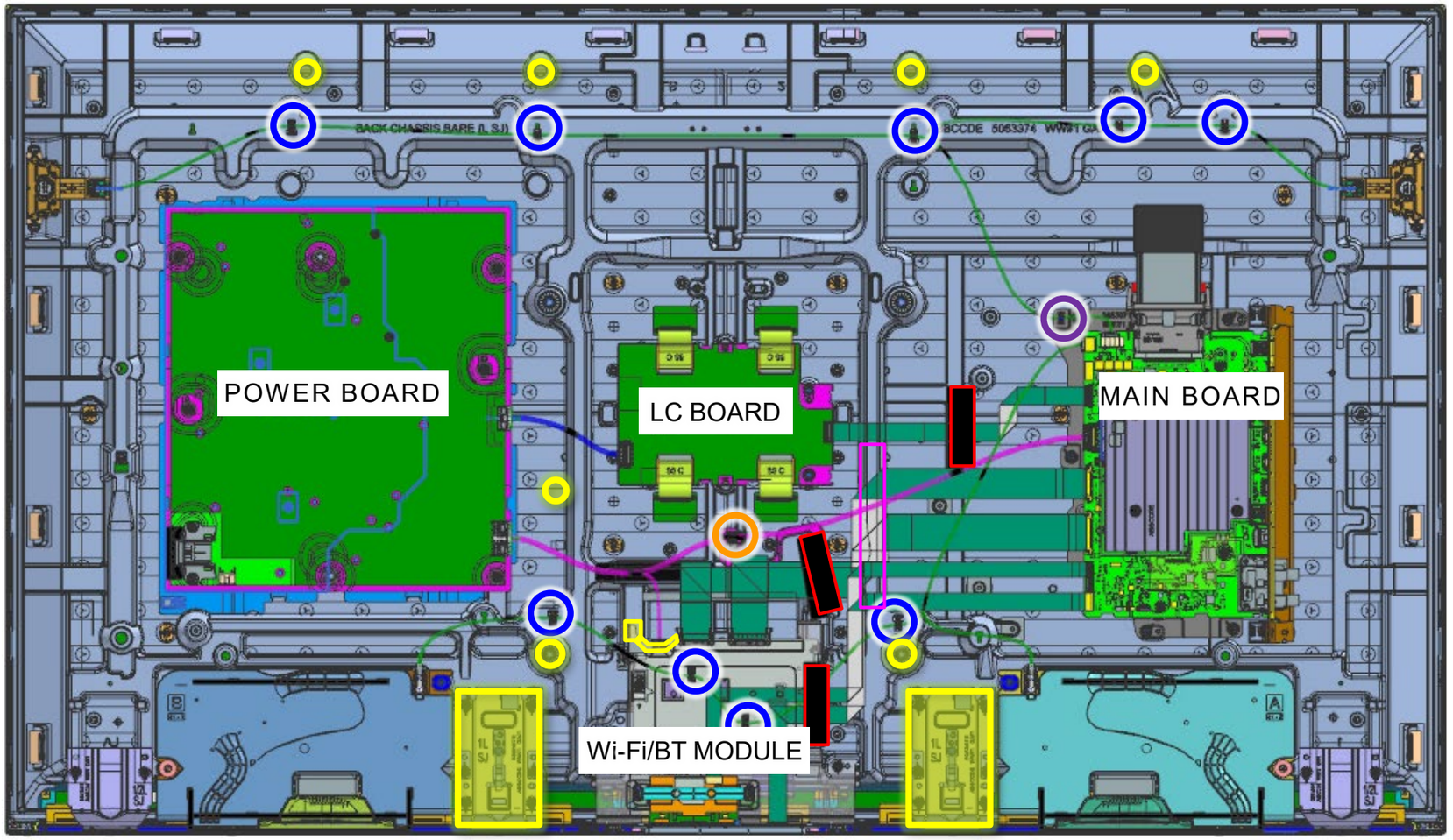
7. Unhook top hook.



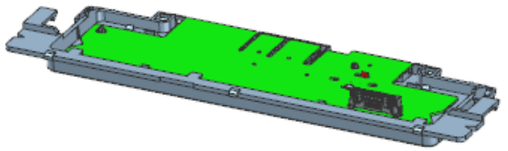
① Hold Bezel Top and push upwards Rear Cover bottom side (left & right side) to unhook top center hook.

② Pull Rear Cover to release the remaining top hook

BOARD LOCATION & WIRE DRESSING 55”



RECEIVER BOARD

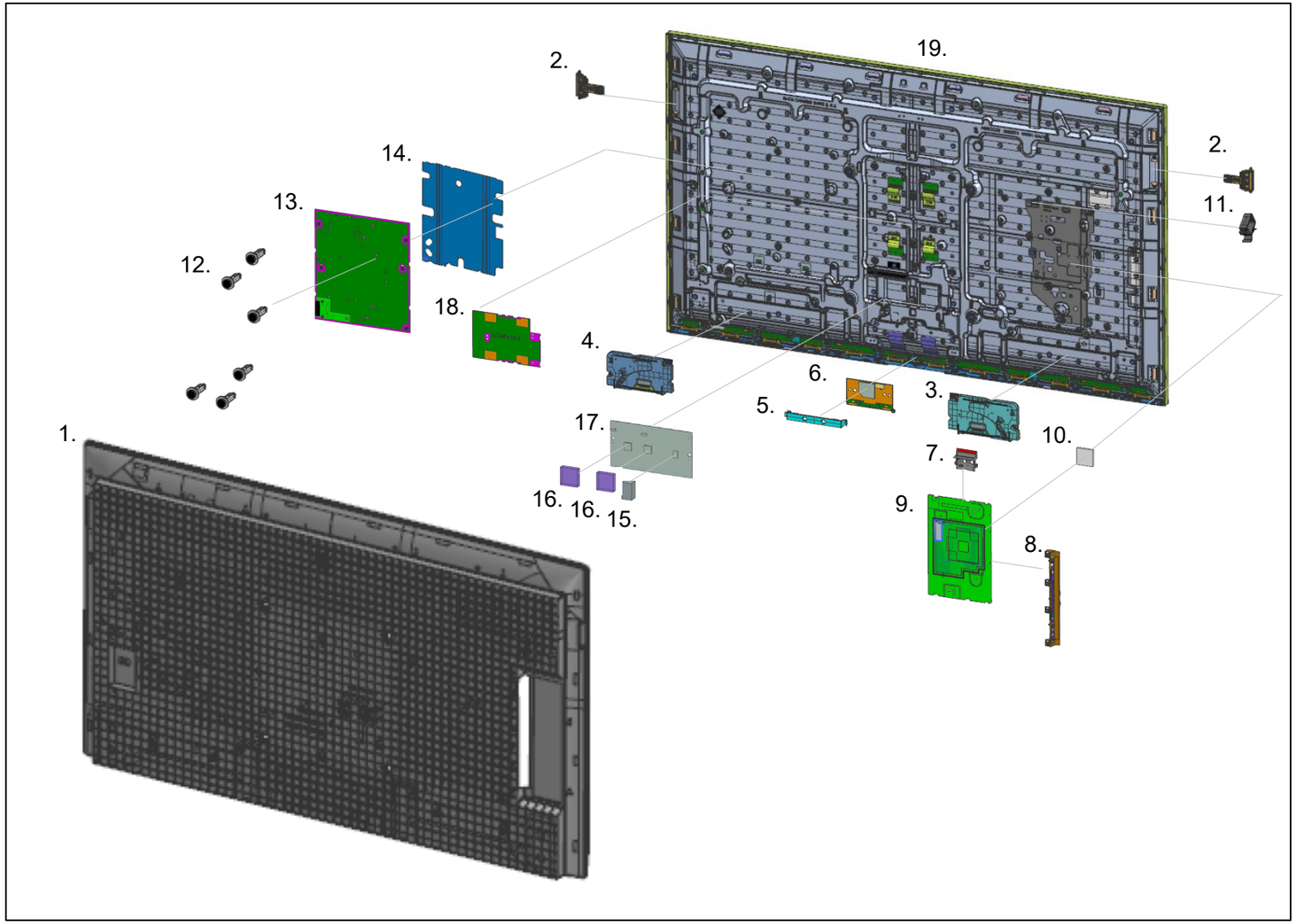


REF. NO	DESCRIPTION	QUANTITY
	VA Tape (70mm)	3
	Clamper S(COM2)	9
	Clamper L	1
	Slide Clamper	1
	Caution of pinching wire	-

EXPLODED VIEW & PART LIST 55”

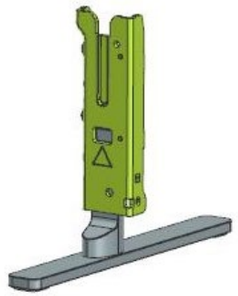
- Place the TV set facing downwards on a stable, level surface before disassembly and assembly of parts.
- ⚠ and shaded parts are critical for safety. Replace only with part number specified.
- 🔒 Parts contain confidential information. Strictly follow the instruction whenever the components are repaired and/or replaced

- (*) Parts are not stocked since they are seldom required for routine service. Some delays should be anticipated when ordering these components.
- Picture provided in this section might have slight difference from the actual sets.
- The reference number beside the part indicates the disassembly sequence.
- Remove screws before disassembly. Unplug connectors before disassembly



Stand

20.

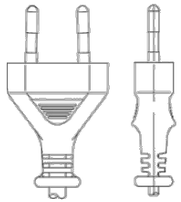
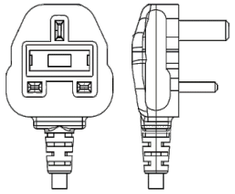


EXPLODED VIEW & PART LIST 55”

SET PART LIST

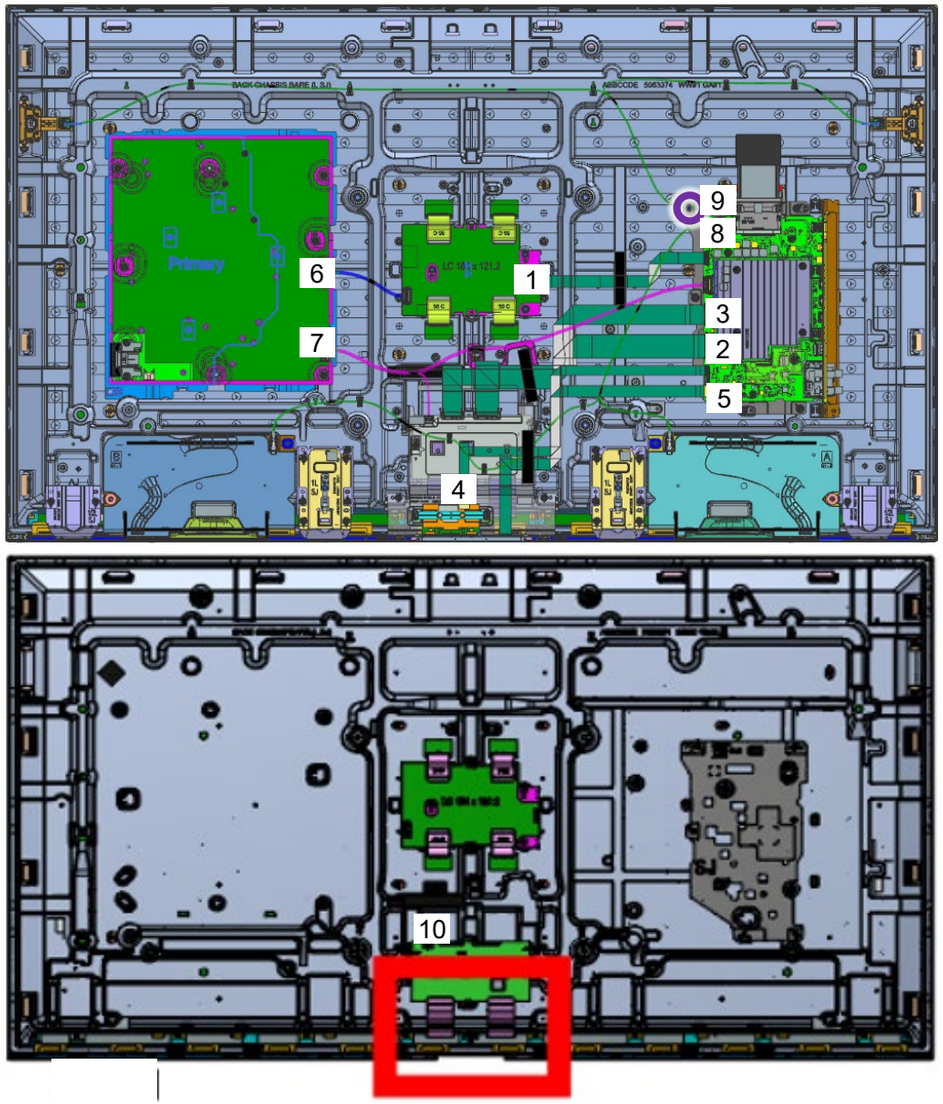
REF. NO	PART NO.	DESCRIPTION	REMARKS
9	A-5077-526-A	COMPL SVC BM6L25_SJ_EUUK_SOEM	Printed Circuit Board, incl. capacitors
13	1-024-099-11	G51B - STATIC CONVERTER(TV)	Internal Power Supply
17	1-023-758-11	MOUNTED PWB E-T-CON (55)	Printed Circuit Board, incl. capacitors
18	A-5080-376-A	COMPL SVC 25LCS1A1	Printed Circuit Board, incl. capacitors
19	A-5075-930-A	P-MOD(YDFO055MNS01)(SVC)	Liquid Crystal Display

OTHERS PART

REFERENCE	PART NO.	DESCRIPTION	REMARKS
	1-012-952-21	C7L AC POWER CORD SETS (EU)	CEI (Cable)
	1-012-956-11	C7L AC POWER CORD SETS (UK)	UKA (Cable)

EXPLODED VIEW & PART LIST 55”

CONNECTOR

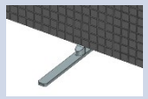
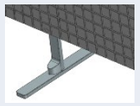


REF. NO	PART NO.	DESCRIPTION	REMARKS
1	1-024-381-11	FLEXIBLE FLAT CABLE 30P	CN6200(B)-CN1000(LC)(1)
2	1-024-376-11	FLEXIBLE FLAT CABLE 51P	CN7200(B)-CN300(TCON)(1)
3	1-024-375-11	FLEXIBLE FLAT CABLE 41P	CN7201(B)-CN301(TCON)(1)
4	1-017-527-12	FLEXIBLE FLAT CABLE 20P	CN3804(B)-BT(1)
5	1-024-412-11	FLEXIBLE FLAT CABLE 25P	CN301(H)-CN8000(B)(1)
6	1-024-395-11	CONNECTOR ASSY 20P(GL)	CN6601(G)-CN2000(LC)(1)
7	1-024-396-11	CONNECTOR ASSY 28P(GBT)	CN6401(G)-CN400(B)-TCON(1)
8	1-024-400-11	CONNECTOR ASSY 4P(SP)	CN6405(B)-SP(1)
9	1-024-399-11	CONNECTOR ASSY 6P(TW)	CN6409(B)-TW(1)
10	1-023-893-11	FFC T-CON (55)	SOURCE BOARD-TCON(2)

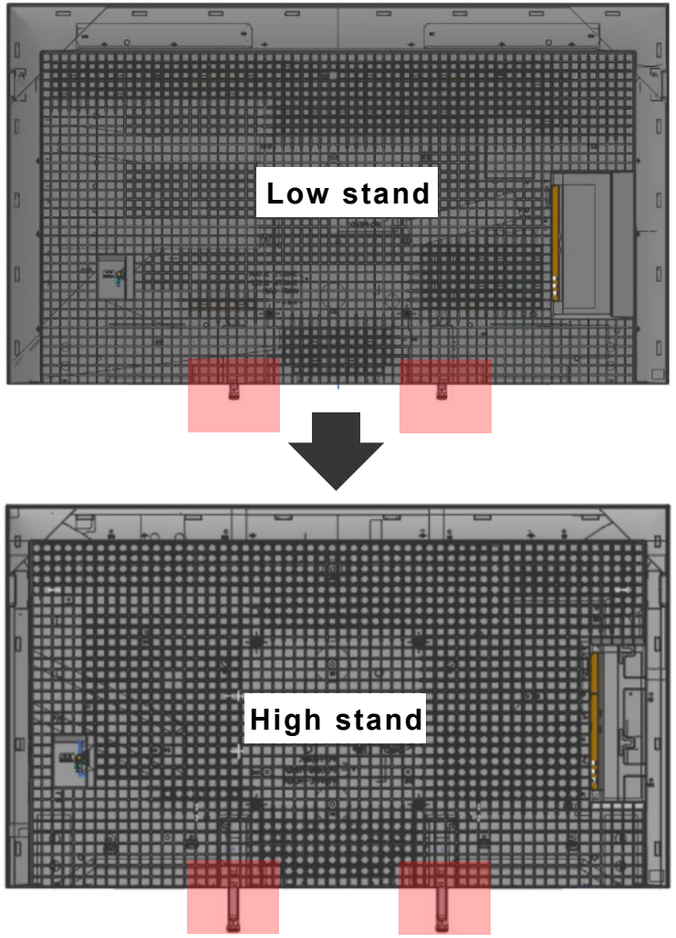
DISASSEMBLY & REMOVAL CAUTION 65”

REAR COVER

Before go to step 1, change the stands to high position.

SEGMENT	STAND TYPE	65”
SJ	INNER LOW	
	INNER HIGH	

Note: Change low stand to high stand



DISASSEMBLY & REMOVAL CAUTION 65”

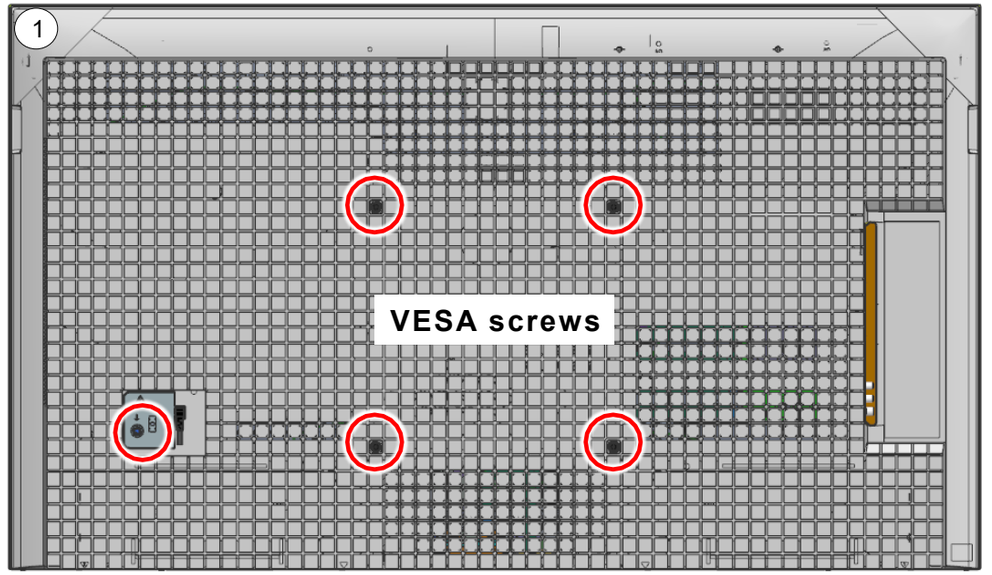
REAR COVER

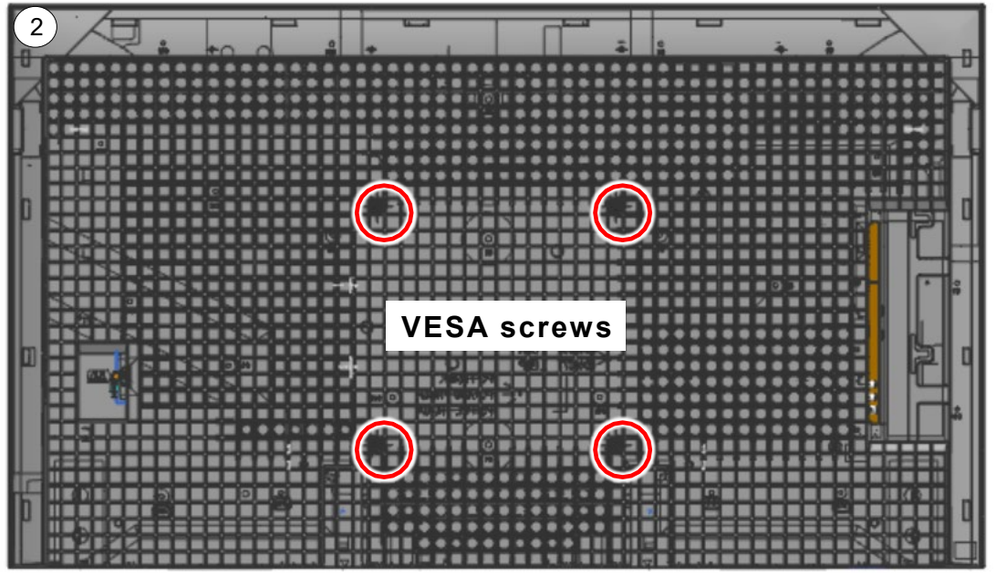
1. Remove the screws from the rear cover (4 pcs).

SIZE	VESA	AC area type		Total screws	
		Pigtail	Inlet	Pigtail	Inlet
65	4 pcs	1 pcs	0 pcs	5 pcs	4 pcs

(1) Pigtail type

(2) Inlet type



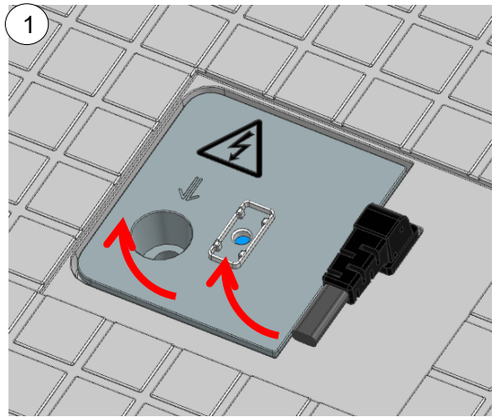


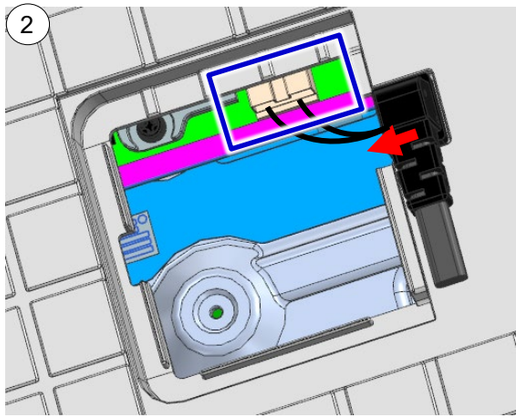
DISASSEMBLY & REMOVAL CAUTION 65”

REAR COVER

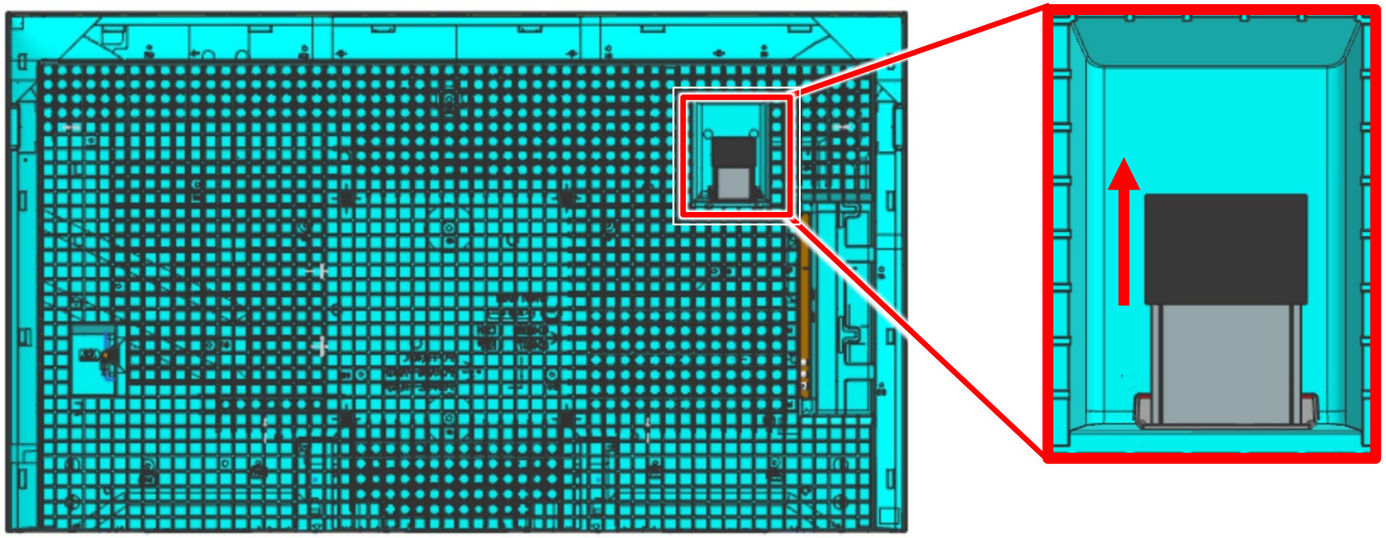
2. ① Remove AC cover

   ② Remove Power Supply Code by disconnect from G-board.
   (Only Pigtail type)





3. Remove Card (Only Card Slot type)

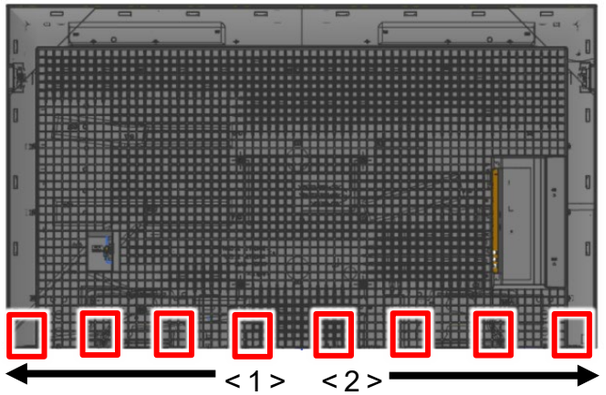


DISASSEMBLY & REMOVAL CAUTION 65”

REAR COVER

※Caution: Use a washer (coin type jig) to remove bottom rear cover.

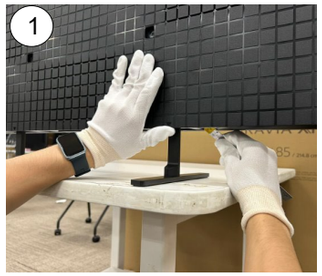
4. Unhook bottom hook, starting from center.

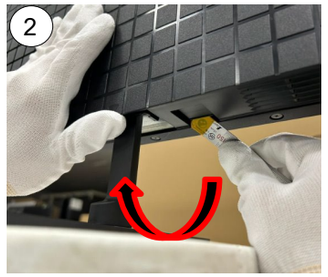


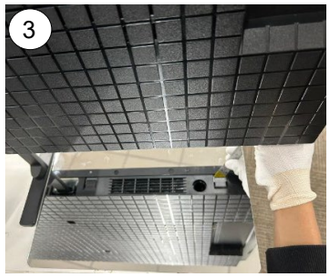
① Unhook two hooks closest to center simultaneously to prevent lock back.

② Unhook both hooks using coin or jig.

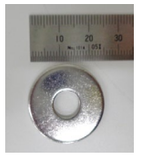
③ Use mirror or touch the line/rib to assist locating the hook position.





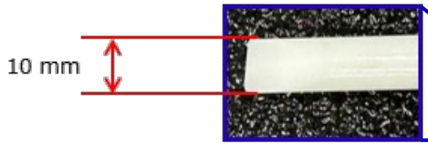


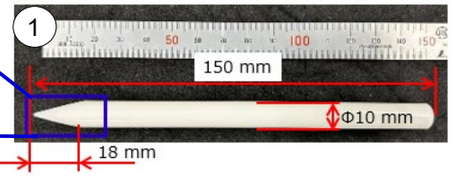
Coin or jig to unhook bottom Rear Cover - Bezel hook
*Wrap coin in tape (55mmX25mm)
*Thickness of coin approximately 2mm



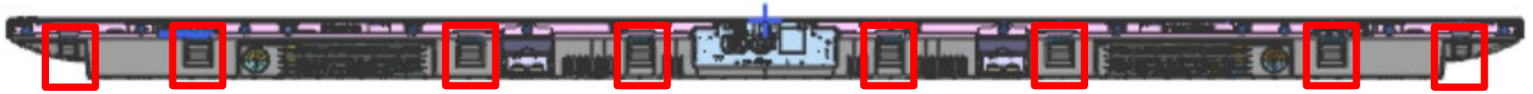
Jig information:

① Handmade jig (material =Equal to POM)





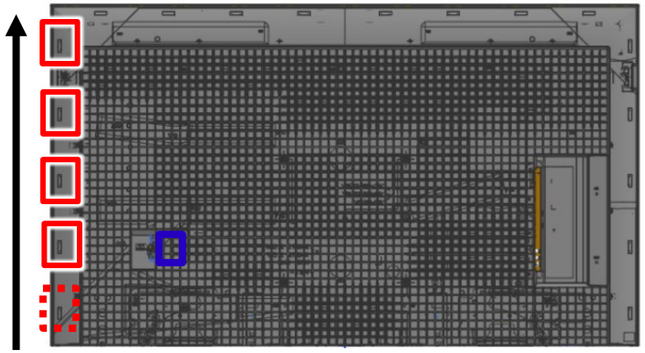
② Clip remover
Can also use off-the-shelf products.



DISASSEMBLY & REMOVAL CAUTION 65”

REAR COVER

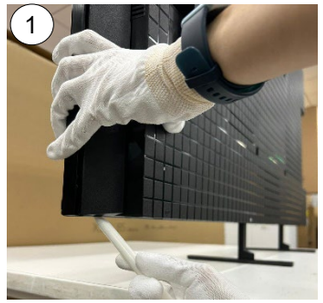
5. Unhook left side hook.

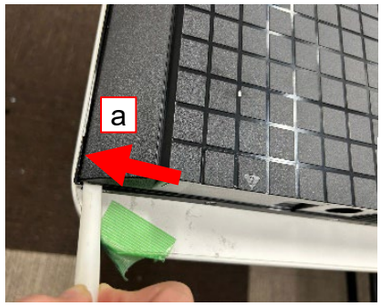


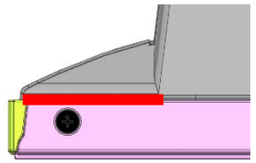
① Insert the jig into the gap between Rear Cover and Bezel bottom, then slide it.

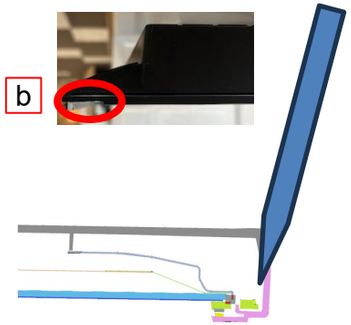
a Slide the jig along the arrow.

b Insert the jig through the groove.







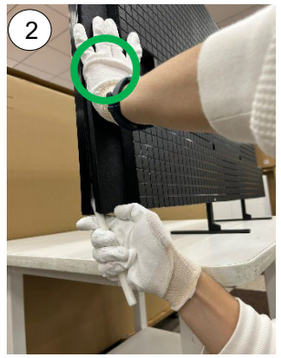


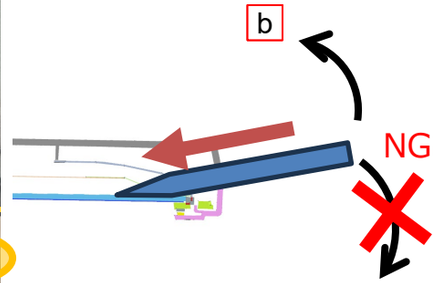
② Press ○ area. Insert the jig further inside.

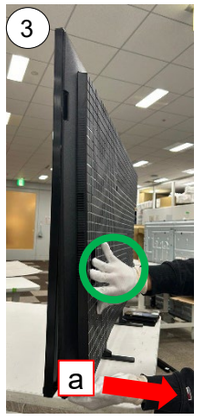
a Press ⌞ area

b Insert the jig (if need).

c Rear Cover boundary.







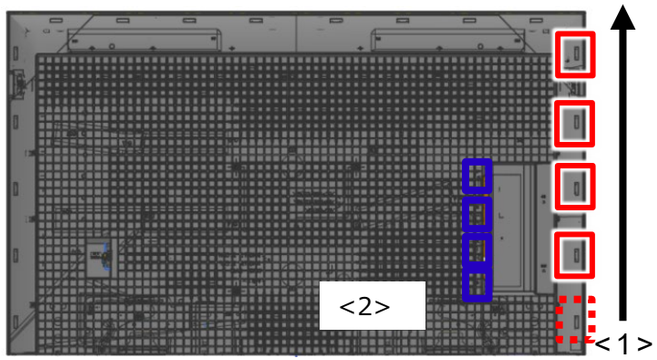
③ Press ○ area.

a Pull Rear Cover to unhook side hooks.

DISASSEMBLY & REMOVAL CAUTION 65”

REAR COVER

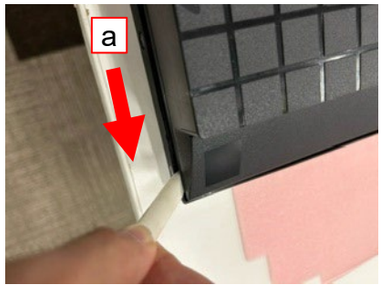
6. Unhook right side hook.

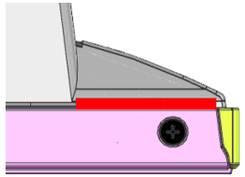


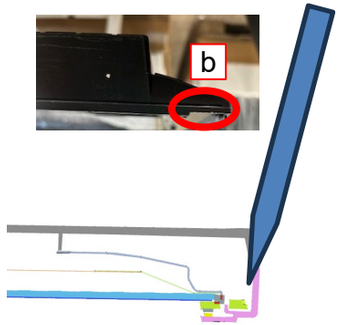
① Insert the jig into the gap between Rear Cover and Bezel bottom, then slide it.

a Slide the jig along the arrow.

b Insert the jig through the groove.

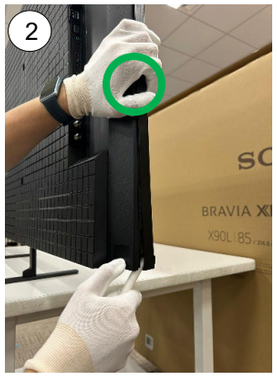


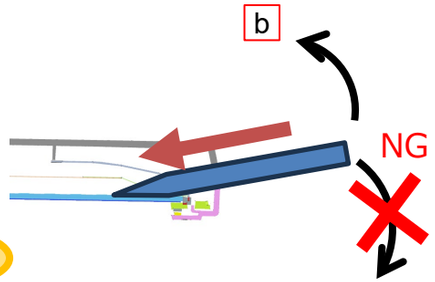




② Press ○ area. Insert the jig further inside.

a Press ⌐¬ area
b Insert the jig (if need).
c Rear Cover boundary.





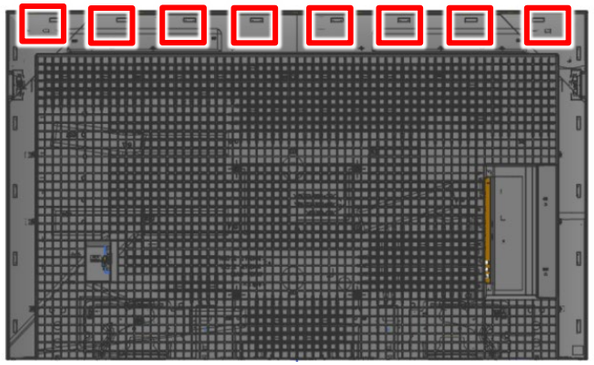
③ Press ○ area.

a Pull Rear Cover to unhook side hooks.

DISASSEMBLY & REMOVAL CAUTION 65”

REAR COVER

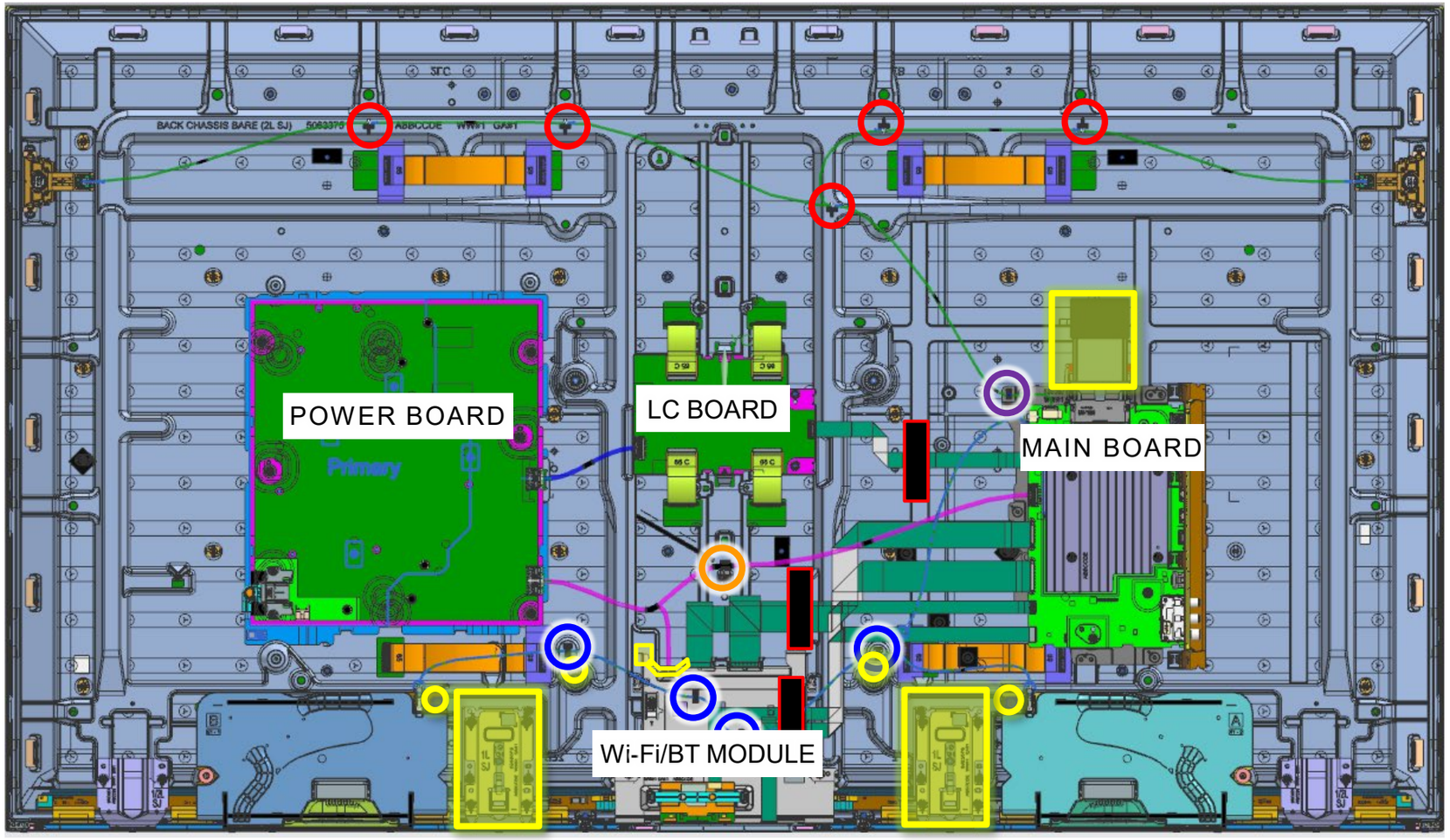
7. Unhook top hook.



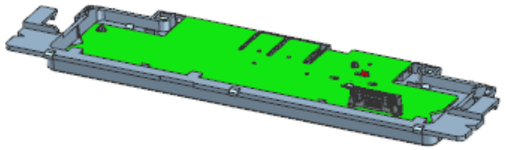
① Hold Bezel Top and push upwards Rear Cover bottom side (left & right side) to unhook top center hook.

② Pull Rear Cover to release the remaining top hook

BOARD LOCATION & WIRE DRESSING 65”



RECEIVER BOARD

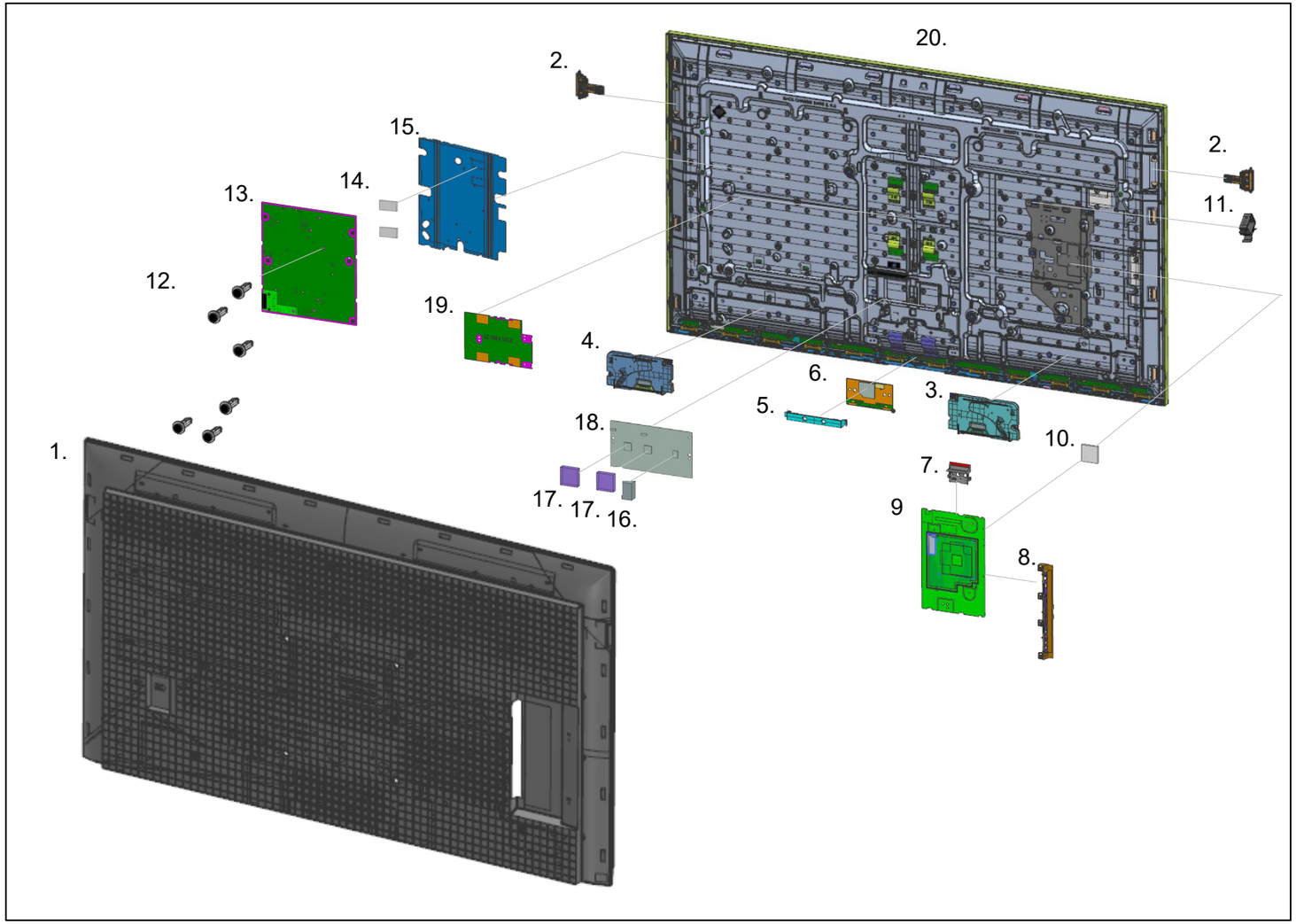


REF. NO	DESCRIPTION	QUANTITY
	VA Tape (70mm)	3
	Clamper S(COM2)	4
	Clamper L	1
	Slide Clamper	1
	Harness Tie	5
	Caution of pinching wire	-

EXPLODED VIEW & PART LIST 65”

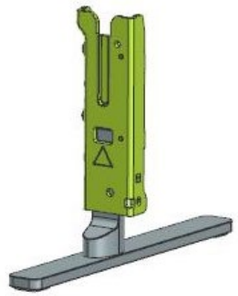
- Place the TV set facing downwards on a stable, level surface before disassembly and assembly of parts.
- ⚠ and shaded parts are critical for safety. Replace only with part number specified.
- 🔒 Parts contain confidential information. Strictly follow the instruction whenever the components are repaired and/or replaced

- (*) Parts are not stocked since they are seldom required for routine service. Some delays should be anticipated when ordering these components.
- Picture provided in this section might have slight difference from the actual sets.
- The reference number beside the part indicates the disassembly sequence.
- Remove screws before disassembly. Unplug connectors before disassembly



Stand

21.

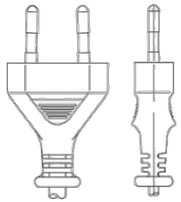
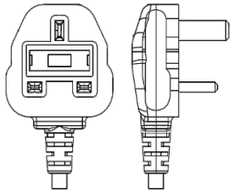


EXPLODED VIEW & PART LIST 65”

SET PART LIST

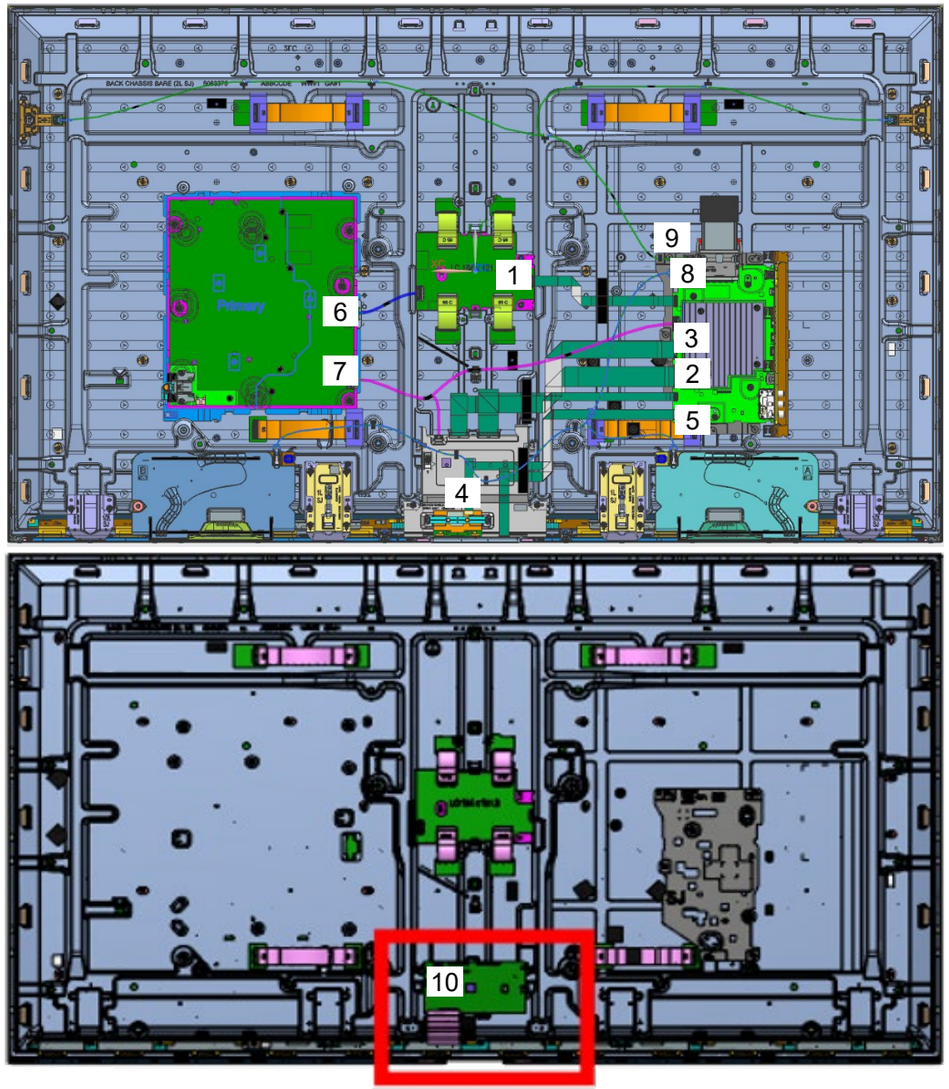
REF. NO	PART NO.	DESCRIPTION	REMARKS
9	A-5077-526-A	COMPL SVC BM6L25_SJ_EUUK_SOEM	Printed Circuit Board, incl. capacitors
13	1-024-100-11	G51- STATIC CONVERTER(TV)	Internal Power Supply
18	1-023-760-11	MOUNTED PWB E-T-CON (65)	Printed Circuit Board, incl. capacitors
19	A-5080-376-A	COMPL SVC 25LCS1A1	Printed Circuit Board, incl. capacitors
20	A-5075-931-A	P-MOD(YDFO065MNS01)(SVC)	Liquid Crystal Display

OTHERS PART

REFERENCE	PART NO.	DESCRIPTION	REMARKS
	1-012-952-21	C7L AC POWER CORD SETS (EU)	CEI (Cable)
	1-012-956-11	C7L AC POWER CORD SETS (UK)	UKA (Cable)

EXPLODED VIEW & PART LIST 65”

CONNECTOR

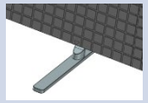
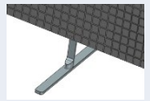


REF. NO	PART NO.	DESCRIPTION	REMARKS
1	1-024-374-11	FLEXIBLE FLAT CABLE 30P	CN6200(B)-CN1000(LC)(1)
2	1-024-376-11	FLEXIBLE FLAT CABLE 51P	CN7200(B)-CN300(TCON)(1)
3	1-024-375-11	FLEXIBLE FLAT CABLE 41P	CN7201(B)-CN301(TCON)(1)
4	1-017-527-12	FLEXIBLE FLAT CABLE 20P	CN3804(B)-BT(1)
5	1-024-377-11	FLEXIBLE FLAT CABLE 25P	CN301(H)-CN8000(B)(1)
6	1-024-395-11	CONNECTOR ASSY 20P(GL)	CN6601(G)-CN2000(LC)(1)
7	1-024-396-11	CONNECTOR ASSY 28P(GBT)	CN6401(G)-CN400(B)-TCON(1)
8	1-024-398-11	CONNECTOR ASSY 4P(SP)	CN6405(B)-SP(1)
9	1-024-397-11	CONNECTOR ASSY 6P(TW)	CN6409(B)-TW(1)
10	1-023-894-11	FFC T-CON (65)	SOURCE BOARD-TCON(2)

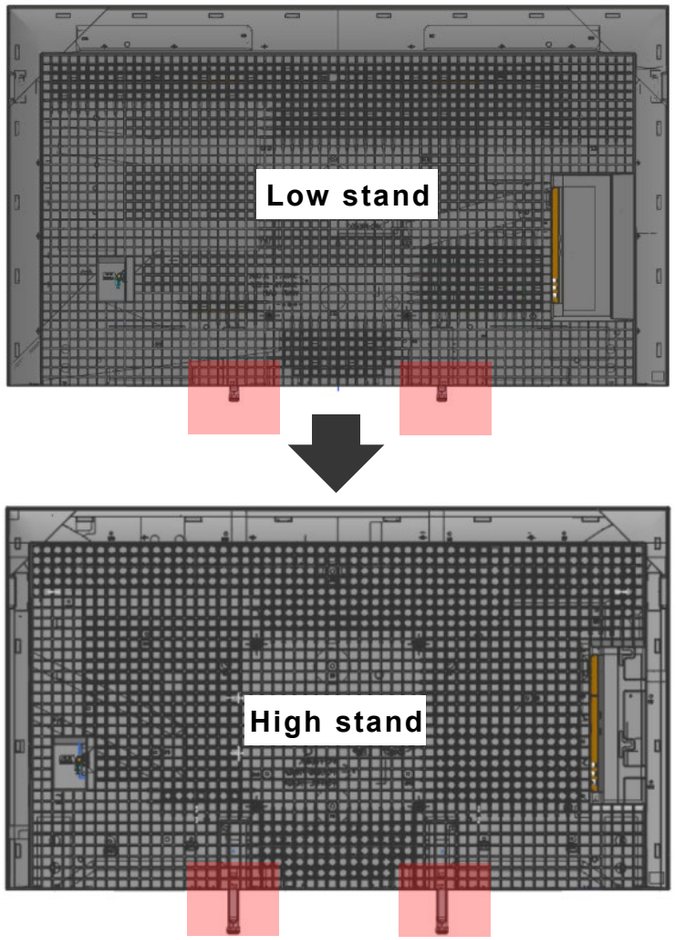
DISASSEMBLY & REMOVAL CAUTION 75”

REAR COVER

Before go to step 1, change the stands to high position.

SEGMENT	STAND TYPE	75
SJ	INNER LOW	
	INNER HIGH	

Note: Change low stand to high stand



DISASSEMBLY & REMOVAL CAUTION 75”

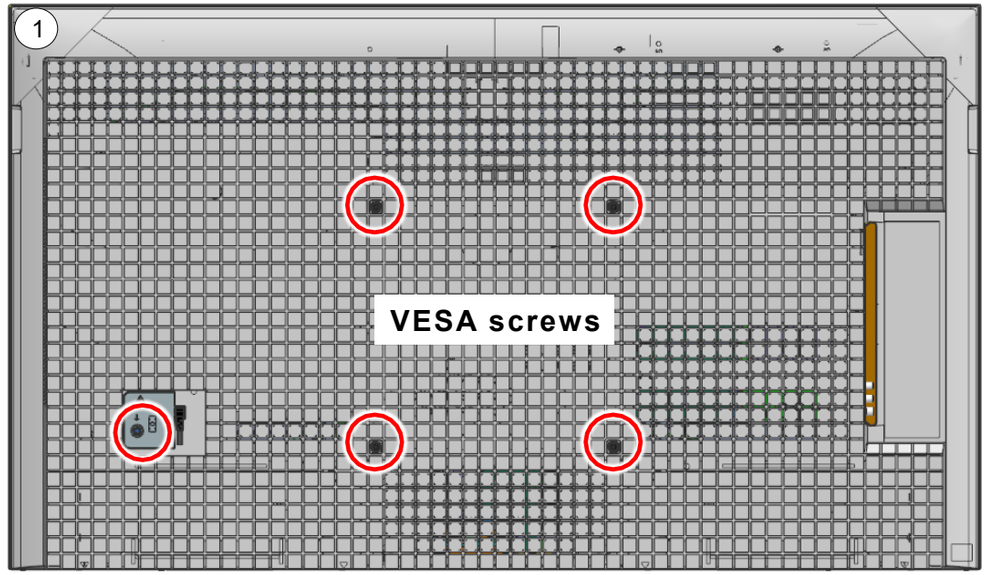
REAR COVER

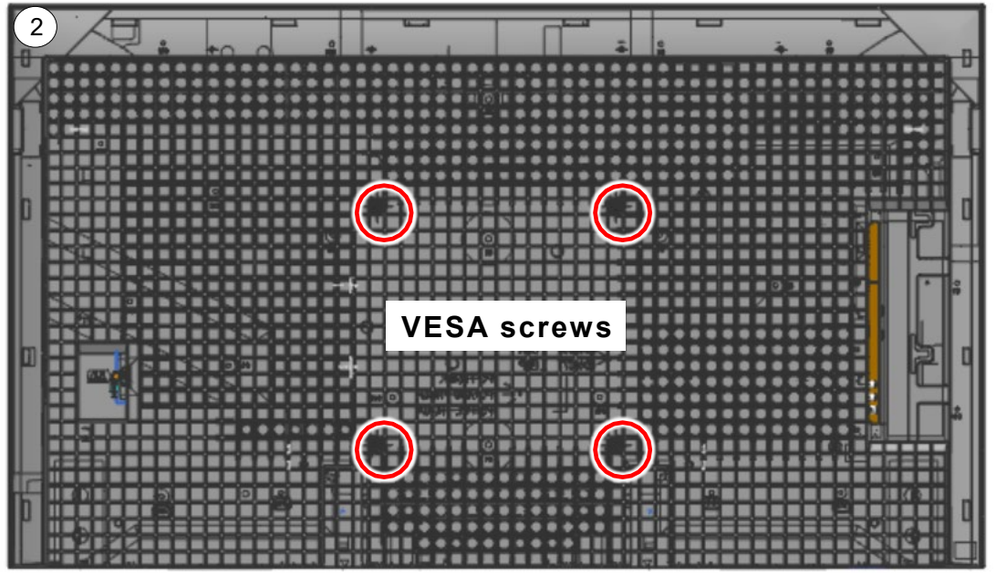
1. Remove the screws from the rear cover (4 pcs).

SIZE	VESA	AC area type		Total screws	
		Pigtail	Inlet	Pigtail	Inlet
75	4 pcs	1 pcs	0 pcs	5 pcs	4 pcs

(1) Pigtail type

(2) Inlet type



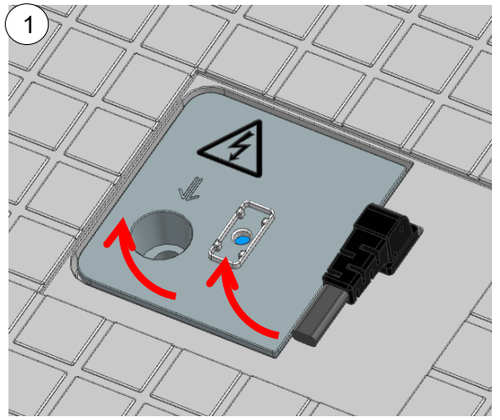


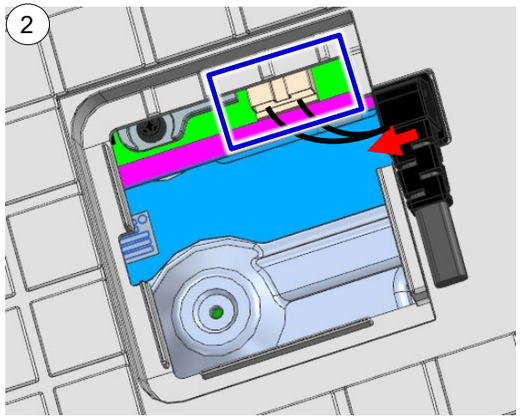
DISASSEMBLY & REMOVAL CAUTION 75”

REAR COVER

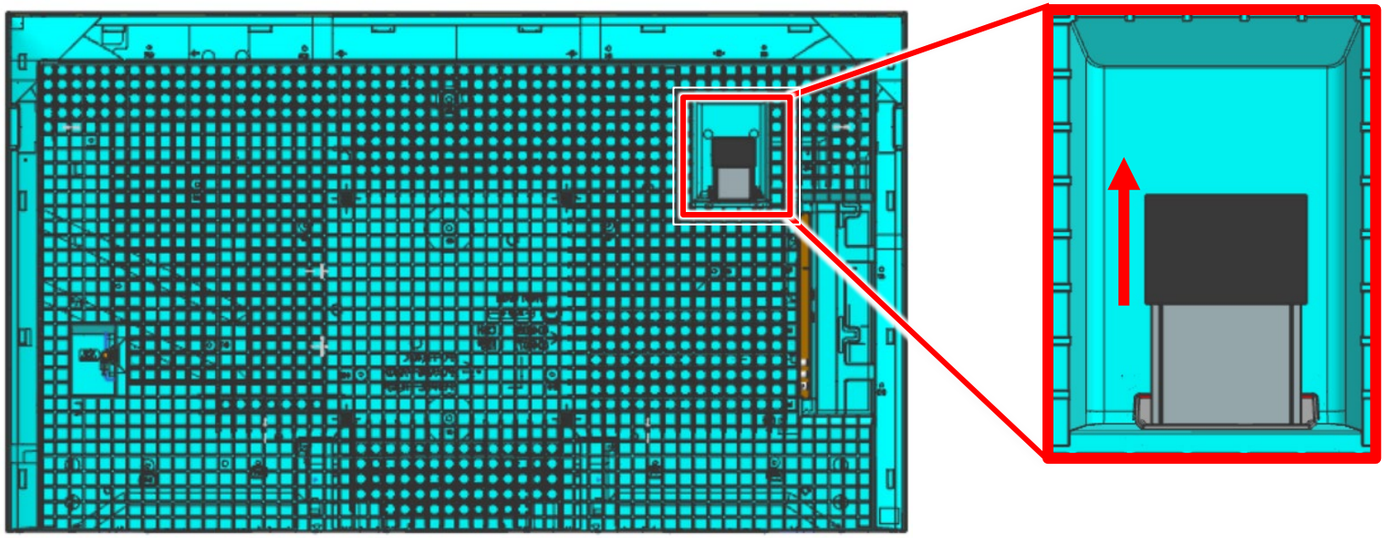
2. ① Remove AC cover

   ② Remove Power Supply Code by disconnect from G-board.
   (Only Pigtail type)





3. Remove Card (Only Card Slot type)

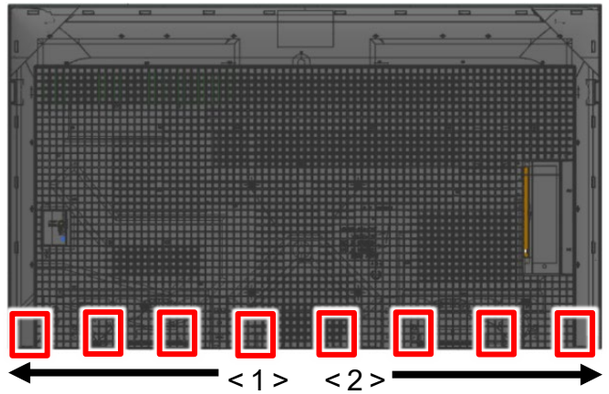


DISASSEMBLY & REMOVAL CAUTION 75”

REAR COVER

※Caution: Use a washer (coin type jig) to remove bottom rear cover.

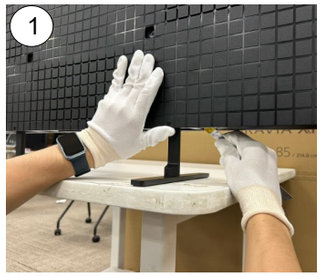
4. Unhook bottom hook, starting from center.

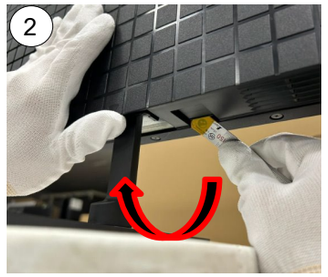


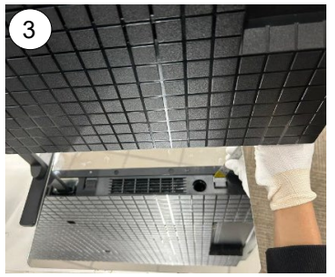
① Unhook two hooks closest to center simultaneously to prevent lock back.

② Unhook both hooks using coin or jig.

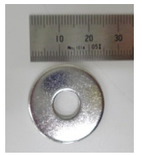
③ Use mirror or touch the line/rib to assist locating the hook position.





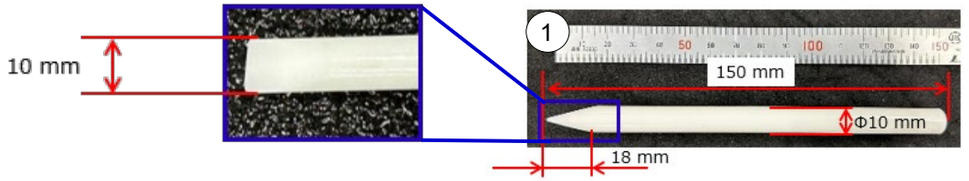


Coin or jig to unhook bottom Rear Cover - Bezel hook
*Wrap coin in tape (55mmX25mm)
*Thickness of coin approximately 2mm

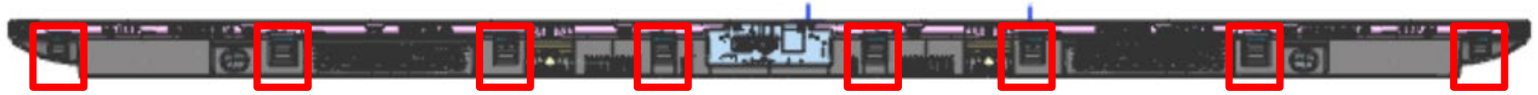


Jig information:

① Handmade jig (material =Equal to POM)



② Clip remover
Can also use off-the-shelf products.



DISASSEMBLY & REMOVAL CAUTION 75”

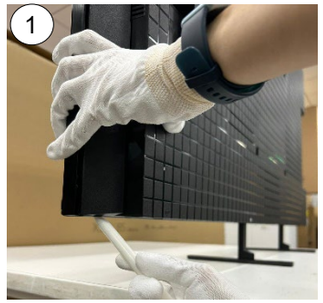
REAR COVER

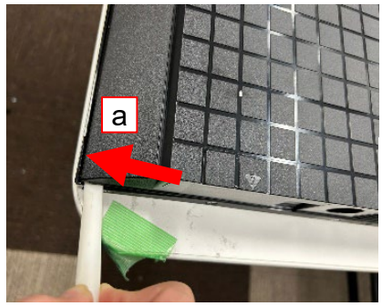
5. Unhook left side hook.

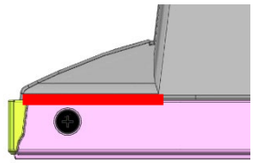
① Insert the jig into the gap between Rear Cover and Bezel bottom, then slide it.

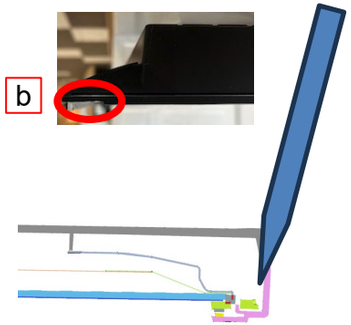
a Slide the jig along the arrow.

b Insert the jig through the groove.







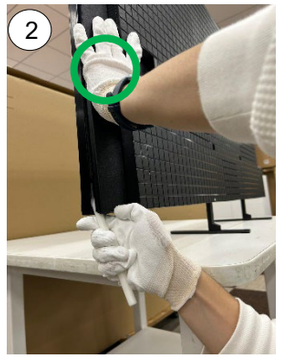


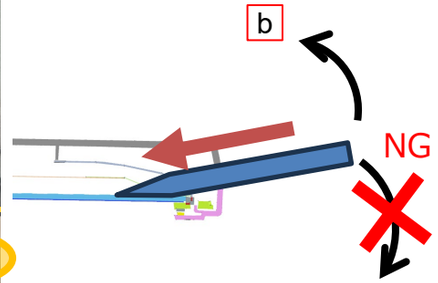
② Press area. Insert the jig further inside.

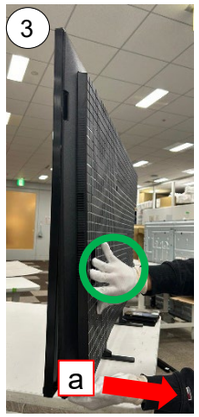
a Press area

b Insert the jig (if need).

c Rear Cover boundary.







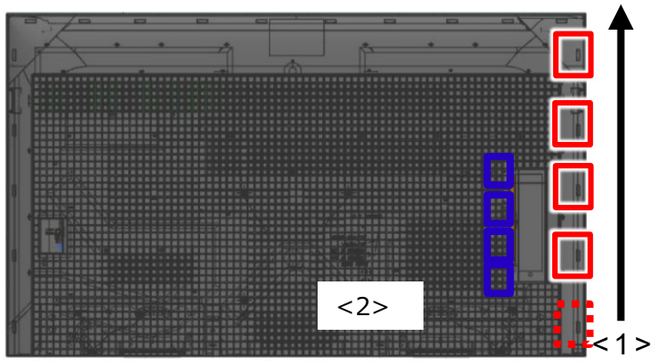
③ Press area.

a Pull Rear Cover to unhook side hooks.

DISASSEMBLY & REMOVAL CAUTION 75”

REAR COVER

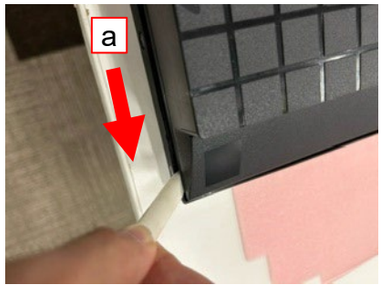
6. Unhook right side hook.

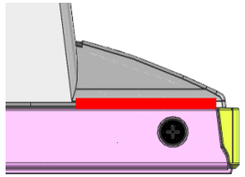


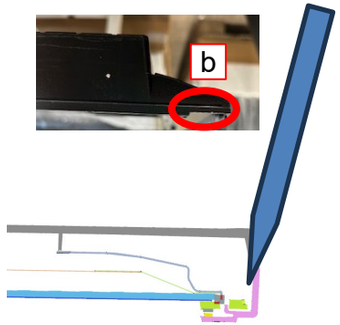
① Insert the jig into the gap between Rear Cover and Bezel bottom, then slide it.

a Slide the jig along the arrow.

b Insert the jig through the groove.

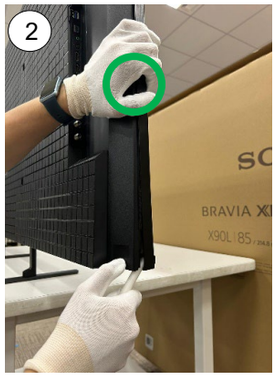


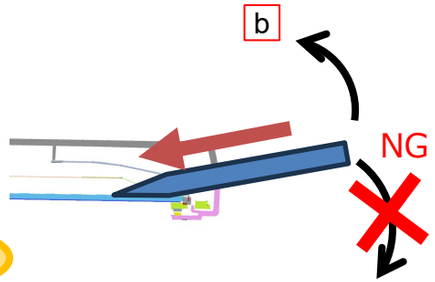




② Press area. Insert the jig further inside.

a Press area
b Insert the jig (if need).
c Rear Cover boundary.



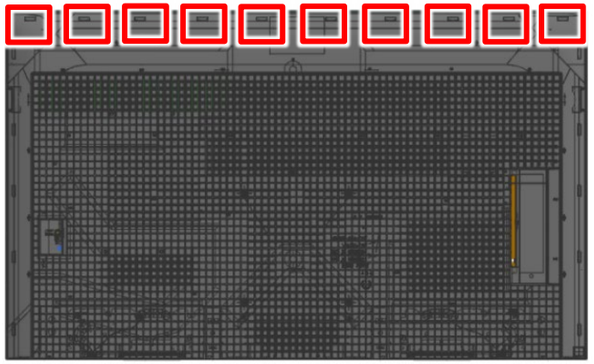


③ Press area.

a Pull Rear Cover to unhook side hooks.

REAR COVER

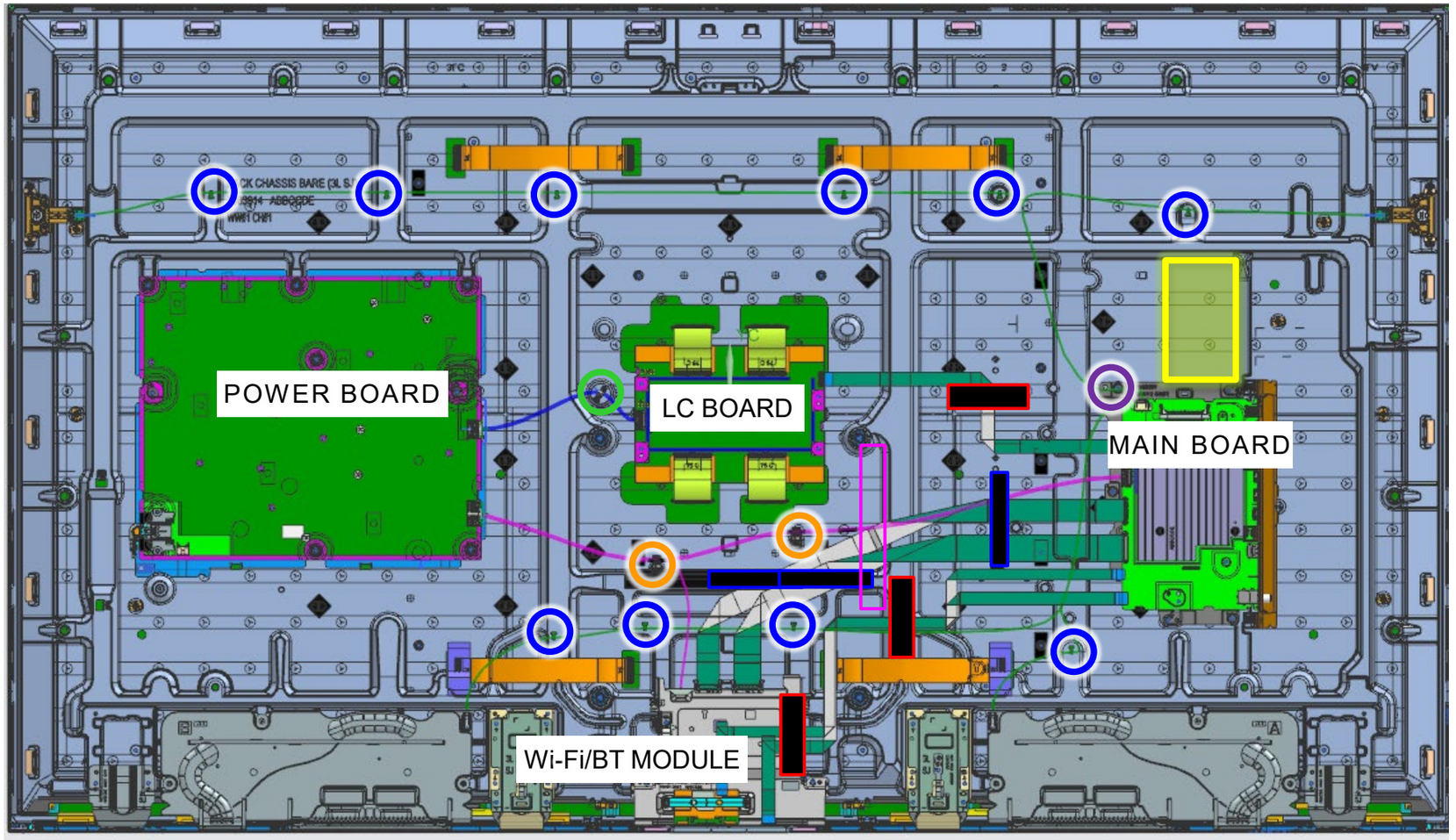
7. Unhook top hook.



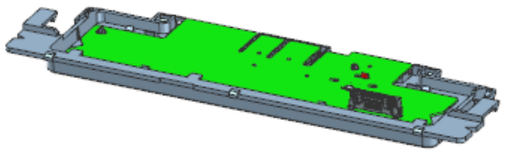
① Hold Bezel Top and push upwards Rear Cover bottom side (left & right side) to unhook top center hook.

② Pull Rear Cover to release the remaining top hook

BOARD LOCATION & WIRE DRESSING 75”



RECEIVER BOARD

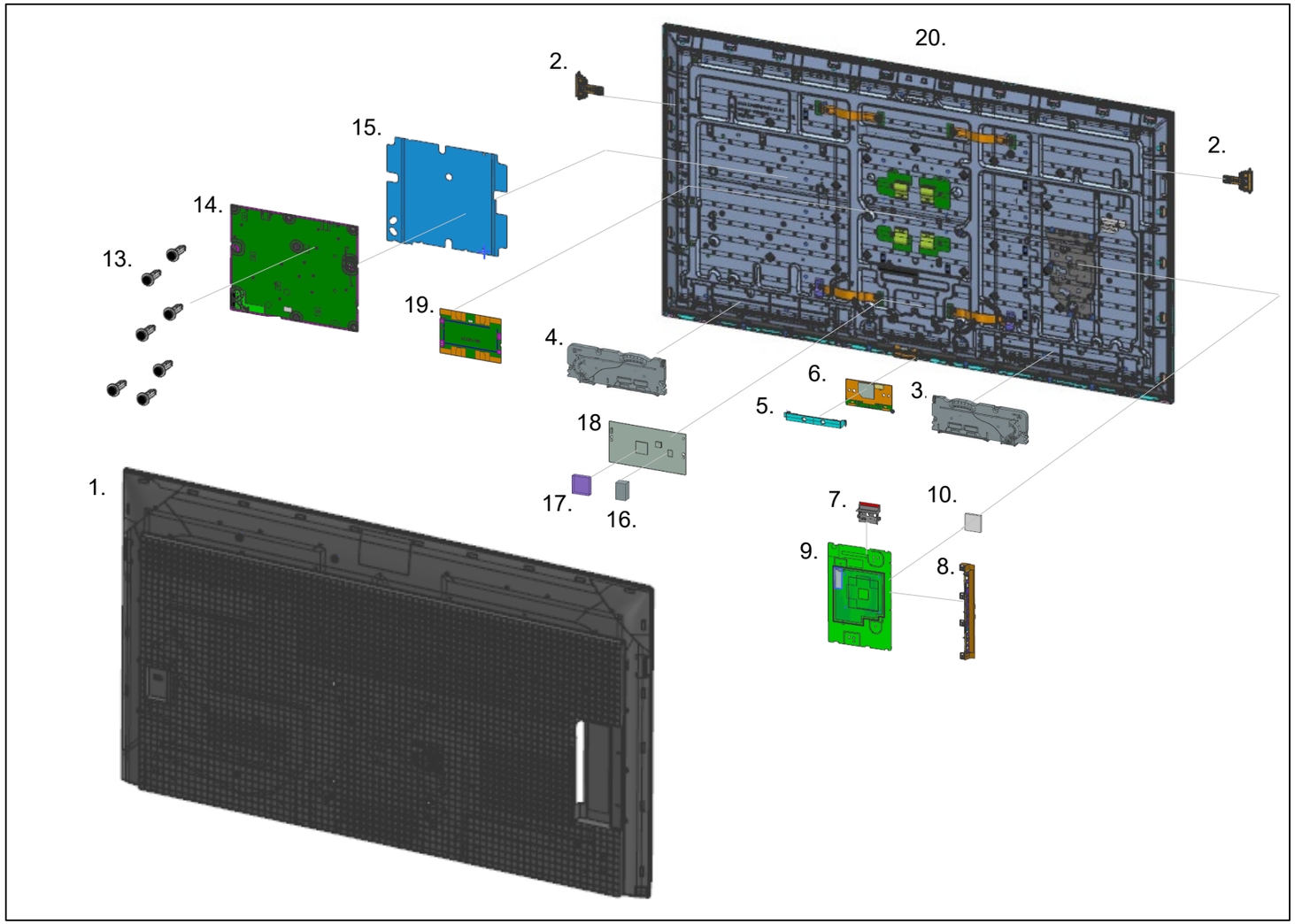


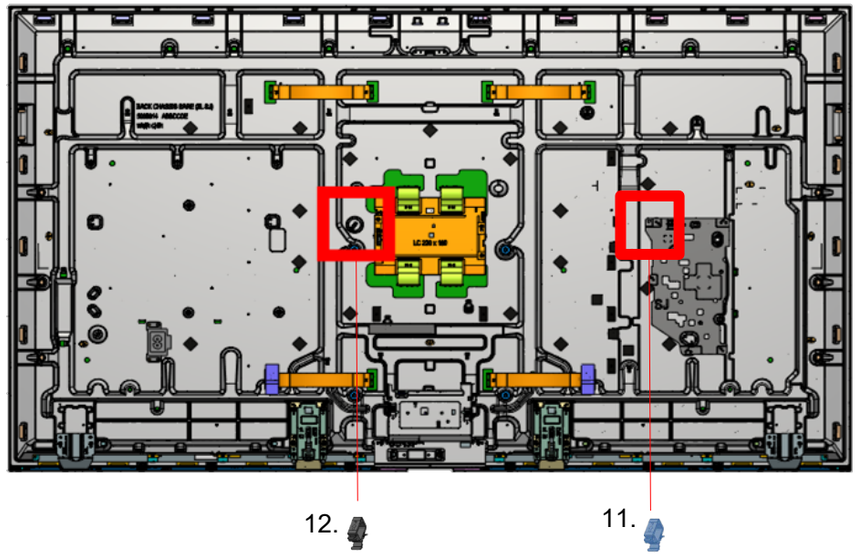
REF. NO	DESCRIPTION	QUANTITY
	VA Tape (70mm)	3
	VA Tape (120mm)	3
	Clamper S(COM2)	10
	Clamper L	2
	Slide Clamper	1
	Clamper	1
	Caution of pinching wire	-

EXPLODED VIEW & PART LIST 75”

- Place the TV set facing downwards on a stable, level surface before disassembly and assembly of parts.
- ⚠ and shaded parts are critical for safety. Replace only with part number specified.
- 🔒 Parts contain confidential information. Strictly follow the instruction whenever the components are repaired and/or replaced

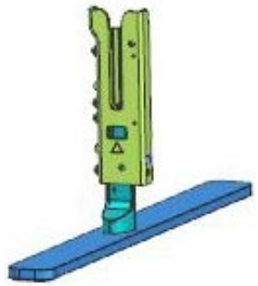
- (*) Parts are not stocked since they are seldom required for routine service. Some delays should be anticipated when ordering these components.
- Picture provided in this section might have slight difference from the actual sets.
- The reference number beside the part indicates the disassembly sequence.
- Remove screws before disassembly. Unplug connectors before disassembly





Stand

21.

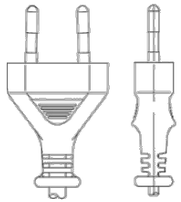
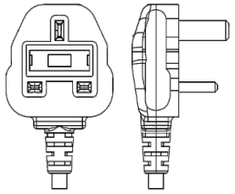


EXPLODED VIEW & PART LIST 75”

SET PART LIST

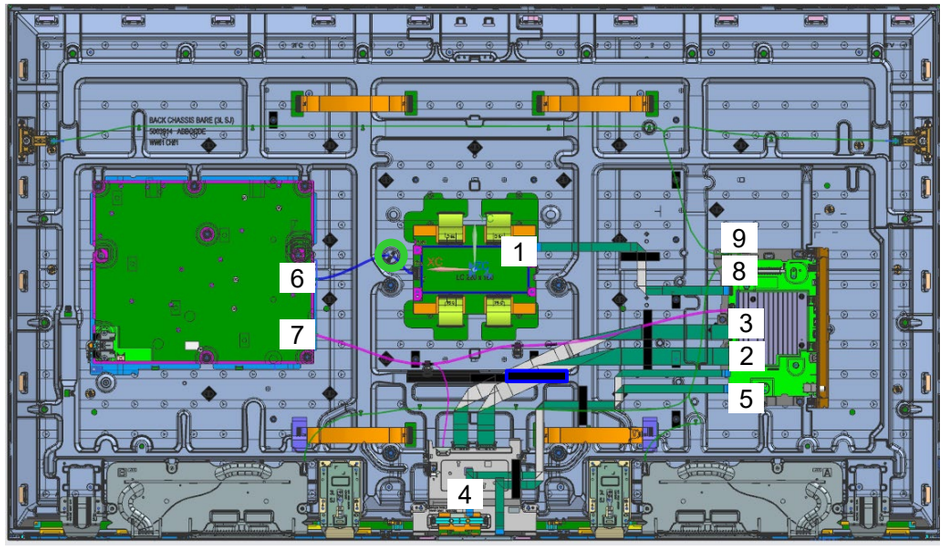
REF. NO	PART NO.	DESCRIPTION	REMARKS
9	A-5077-526-A	COMPL SVC BM6L25_SJ_EUUK_SOEM	Printed Circuit Board, incl. capacitors
14	1-024-101-11	G52B - STATIC CONVERTER(TV)	Internal Power Supply
18	1-023-762-11	MOUNTED PWB E-T-CON (75)	Printed Circuit Board, incl. capacitors
19	A-5080-375-A	COMPL SVC 25LCL1A1	Printed Circuit Board, incl. capacitors
20	A-5076-311-A	P-MOD(YDFO075MNS02)	Liquid Crystal Display

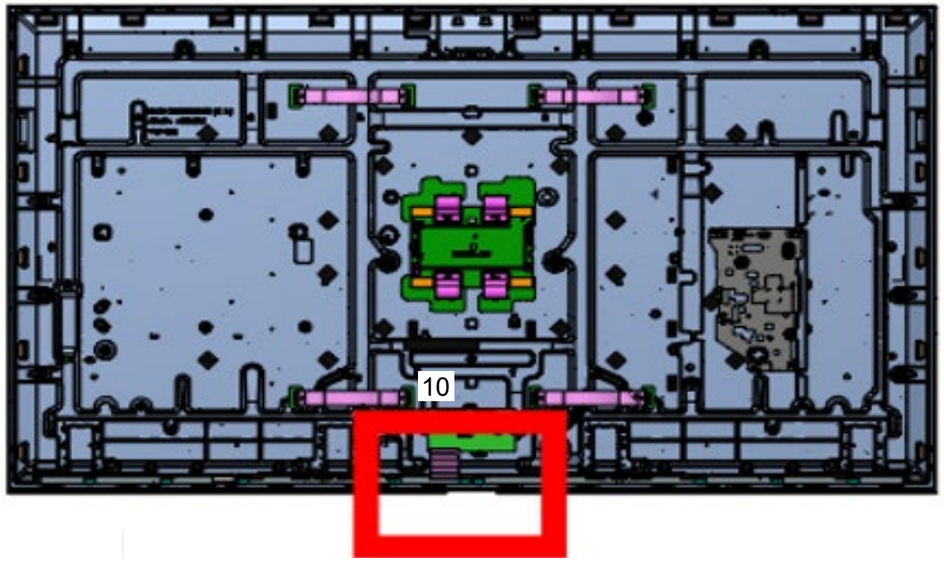
OTHERS PART

REFERENCE	PART NO.	DESCRIPTION	REMARKS
	1-012-952-21	C7L AC POWER CORD SETS (EU)	CEI (Cable)
	1-012-956-11	C7L AC POWER CORD SETS (UK)	UKA (Cable)

EXPLODED VIEW & PART LIST 75”

CONNECTOR



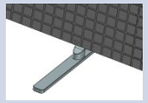
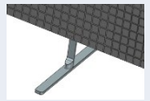


REF. NO	PART NO.	DESCRIPTION	REMARKS
1	1-024-385-11	FLEXIBLE FLAT CABLE 30P	CN6200(B)-CN1000(LC)(1)
2	1-024-387-11	FLEXIBLE FLAT CABLE 51P	CN7200(B)-CN300(TCON)(1)
3	1-024-386-11	FLEXIBLE FLAT CABLE 41P	CN7201(B)-CN301(TCON)(1)
4	1-024-384-11	FLEXIBLE FLAT CABLE 20P	CN3804(B)-BT(1)
5	1-017-732-12	FLEXIBLE FLAT CABLE 25P	CN301(H)-CN8000(B)(1)
6	1-024-401-11	CONNECTOR ASSY 20P(GL)	CN6601(G)-CN2000(LC)(1)
7	1-024-402-11	CONNECTOR ASSY 28P(GBT)	CN6401(G)-CN400(B)-TCON(1)
8	1-024-404-11	CONNECTOR ASSY 4P(SP)	CN6405(B)-SP(1)
9	1-024-403-11	CONNECTOR ASSY 6P(TW)	CN6409(B)-TW(1)
10	1-023-895-11	FFC T-CON (75)	SOURCE BOARD-TCON(2)

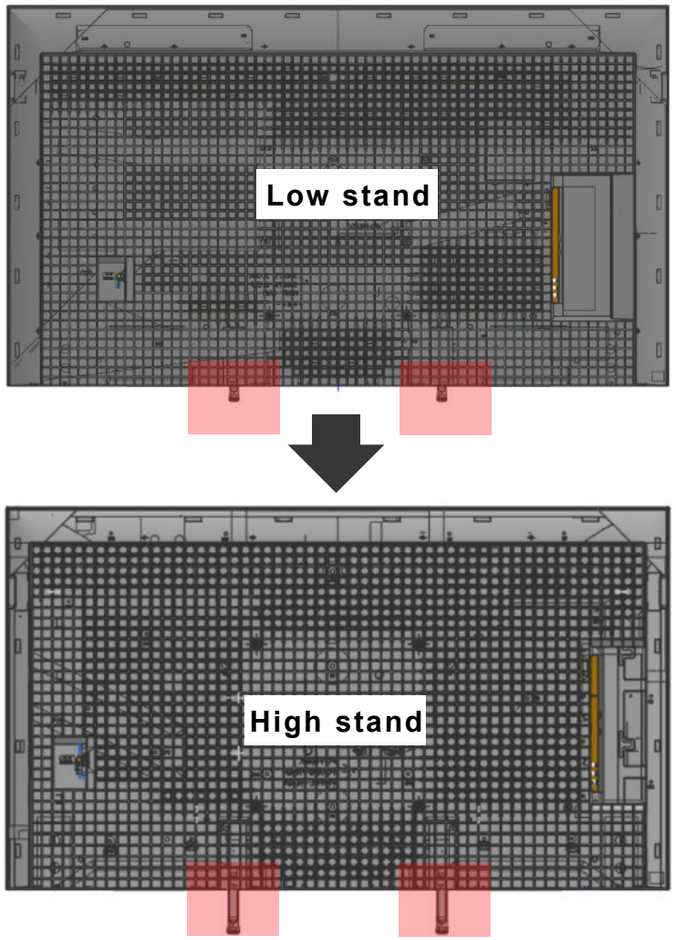
DISASSEMBLY & REMOVAL CAUTION 85”

REAR COVER

Before go to step 1, change the stands to high position.

SEGMENT	STAND TYPE	85
SJ	INNER LOW	
	INNER HIGH	

Note: Change low stand to high stand



DISASSEMBLY & REMOVAL CAUTION 85”

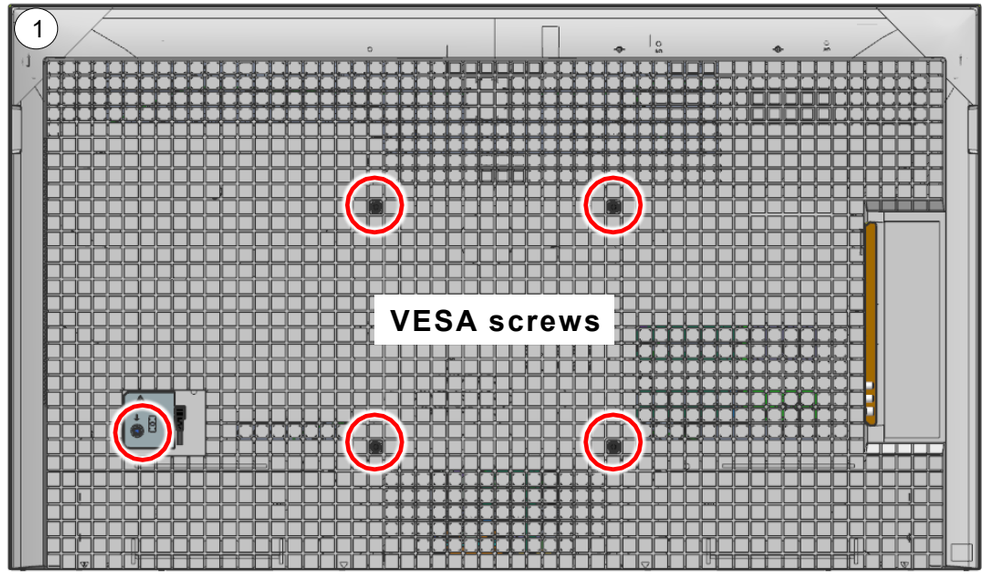
REAR COVER

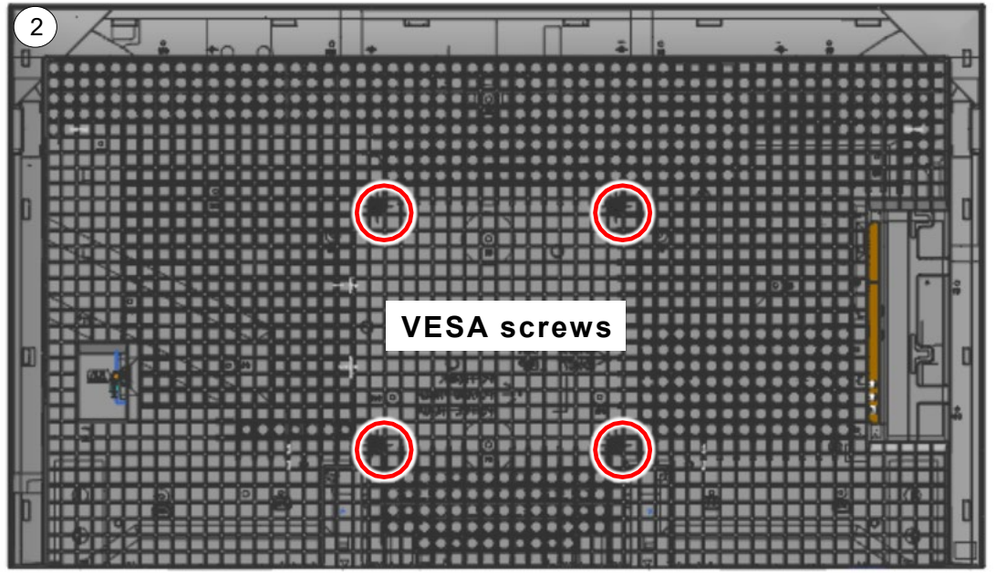
1. Remove the screws from the rear cover (4 pcs).

SIZE	VESA	AC area type		Total screws	
		Pigtail	Inlet	Pigtail	Inlet
85	4 pcs	1 pcs	0 pcs	5 pcs	4 pcs

(1) Pigtail type

(2) Inlet type



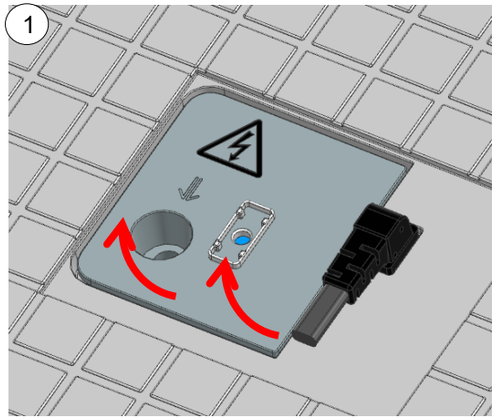


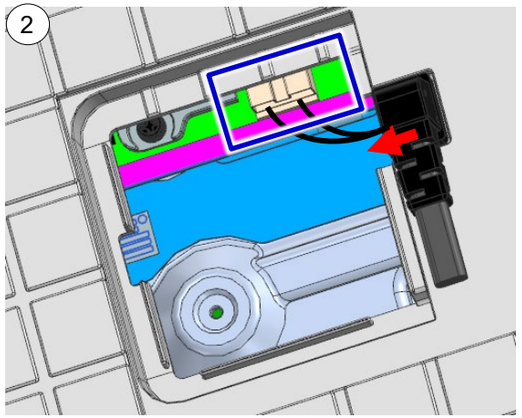
DISASSEMBLY & REMOVAL CAUTION 85”

REAR COVER

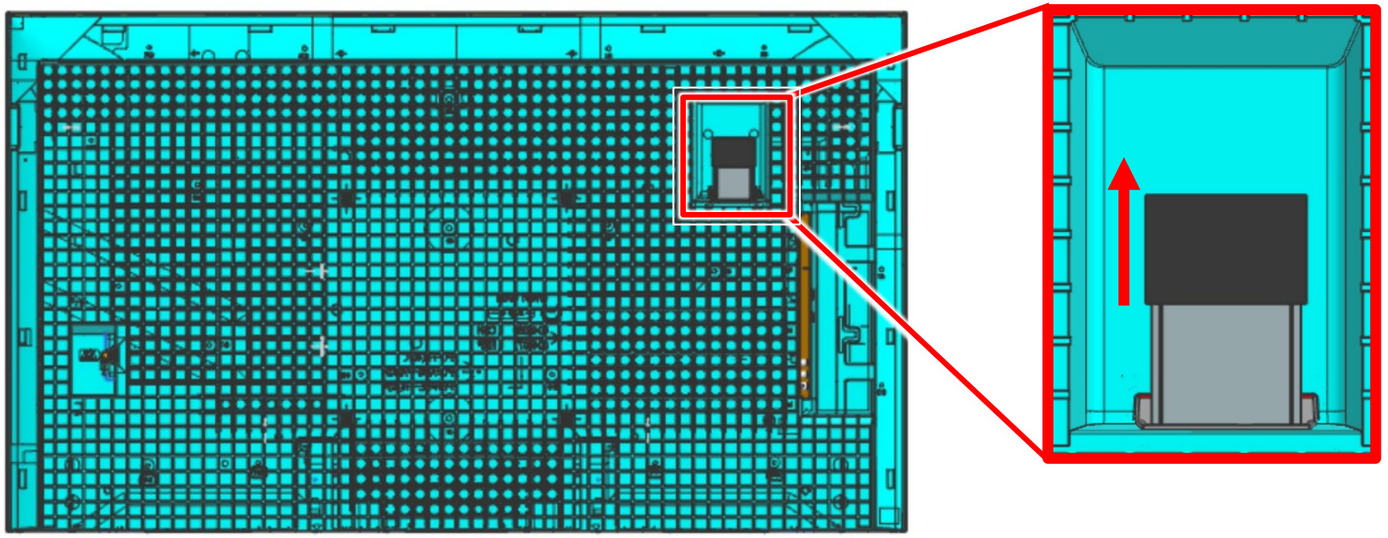
2. ① Remove AC cover

   ② Remove Power Supply Code by disconnect from G-board.
   (Only Pigtail type)





3. Remove Card (Only Card Slot type)

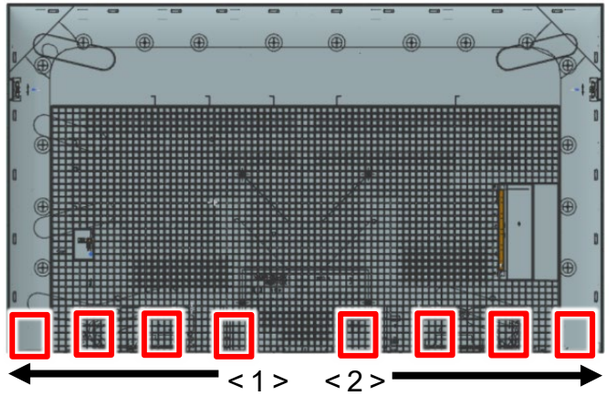


DISASSEMBLY & REMOVAL CAUTION 85”

REAR COVER

※Caution: Use a washer (coin type jig) to remove bottom rear cover.

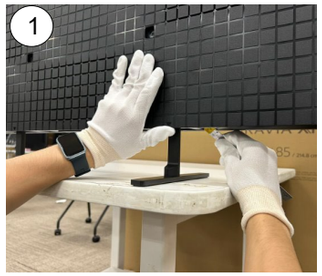
4. Unhook bottom hook, starting from center.

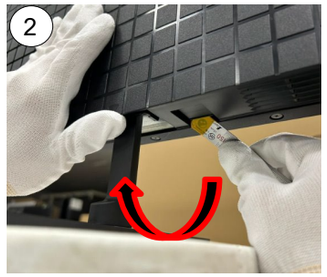


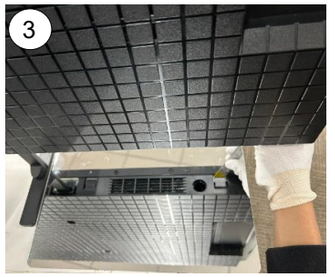
① Unhook two hooks closest to center simultaneously to prevent lock back.

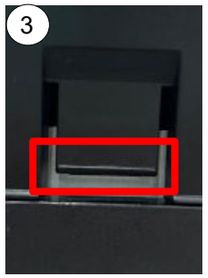
② Unhook both hooks using coin or jig.

③ Use mirror or touch the line/rib to assist locating the hook position.

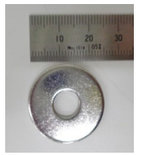






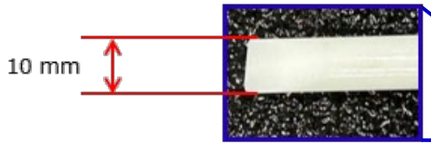


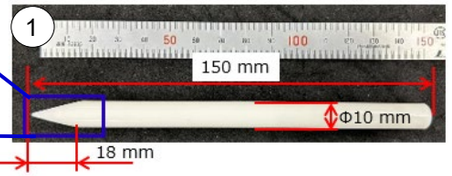
Coin or jig to unhook bottom Rear Cover - Bezel hook
*Wrap coin in tape (55mmX25mm)
*Thickness of coin approximately 2mm



Jig information:

① Handmade jig (material =Equal to POM)



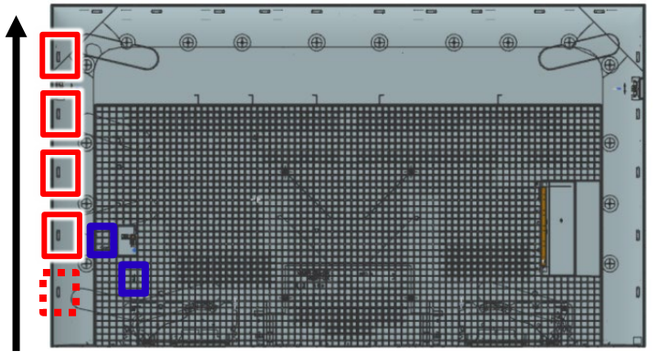


② Clip remover
Can also use off-the-shelf products.

DISASSEMBLY & REMOVAL CAUTION 85”

REAR COVER

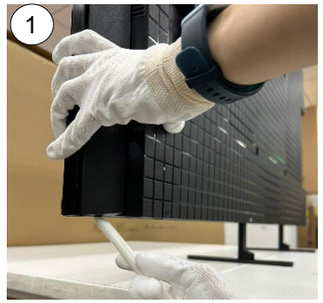
5. Unhook left side hook.

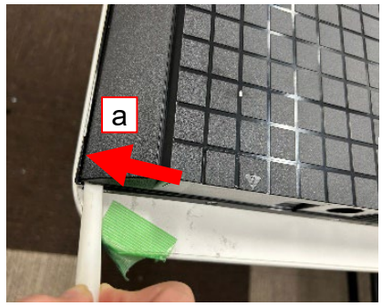


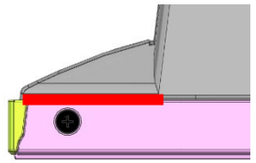
① Insert the jig into the gap between Rear Cover and Bezel bottom, then slide it.

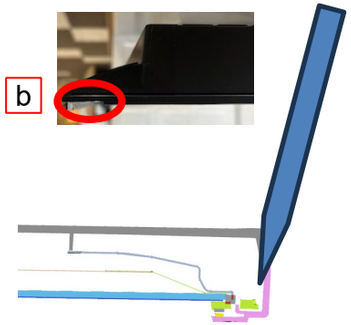
a Slide the jig along the arrow.

b Insert the jig through the groove.







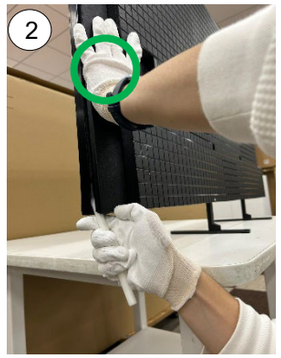


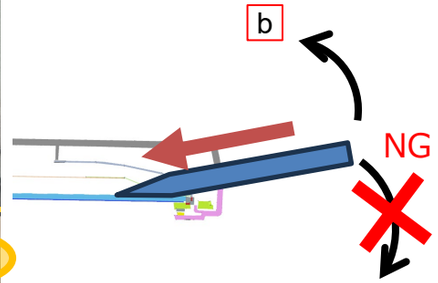
② Press ○ area. Insert the jig further inside.

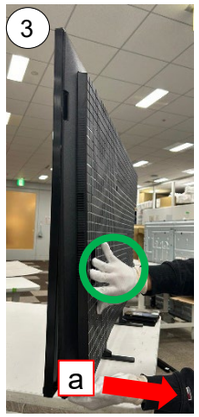
a Press ⌞ area

b Insert the jig (if need).

c Rear Cover boundary.







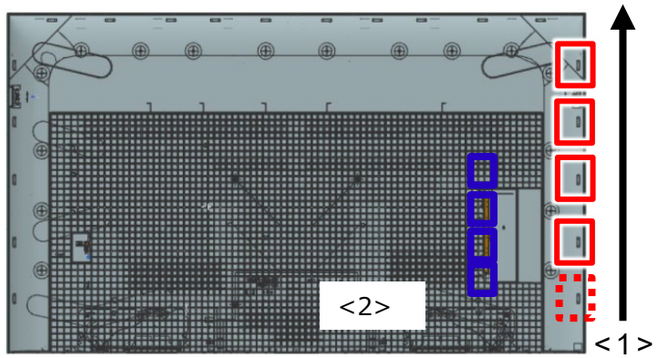
③ Press ○ area.

a Pull Rear Cover to unhook side hooks.

DISASSEMBLY & REMOVAL CAUTION 85”

REAR COVER

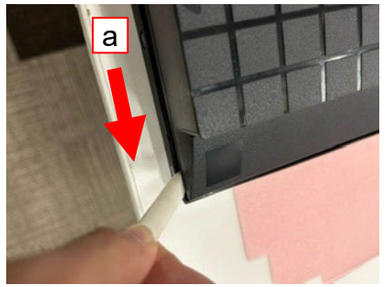
6. Unhook right side hook.

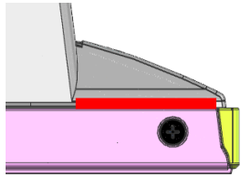


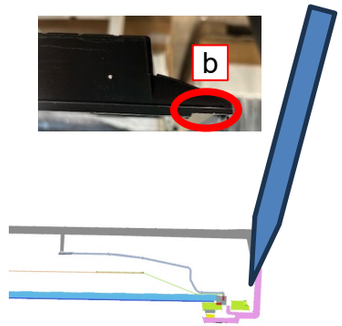
① Insert the jig into the gap between Rear Cover and Bezel bottom, then slide it.

a Slide the jig along the arrow.

b Insert the jig through the groove.

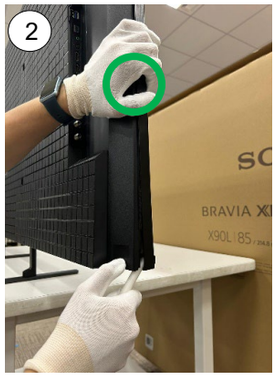


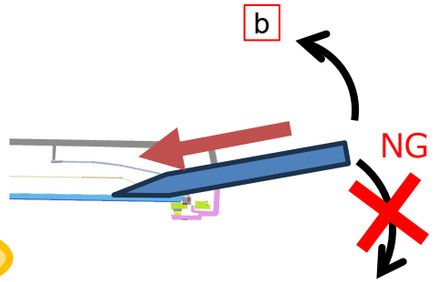




② Press ○ area. Insert the jig further inside.

a Press ⌐¬ area
b Insert the jig (if need).
c Rear Cover boundary.



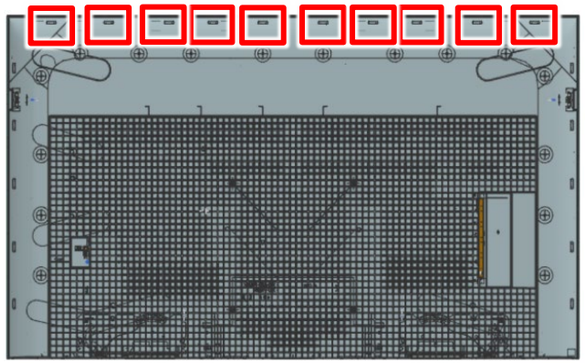


③ Press ○ area.

a Pull Rear Cover to unhook side hooks.

REAR COVER

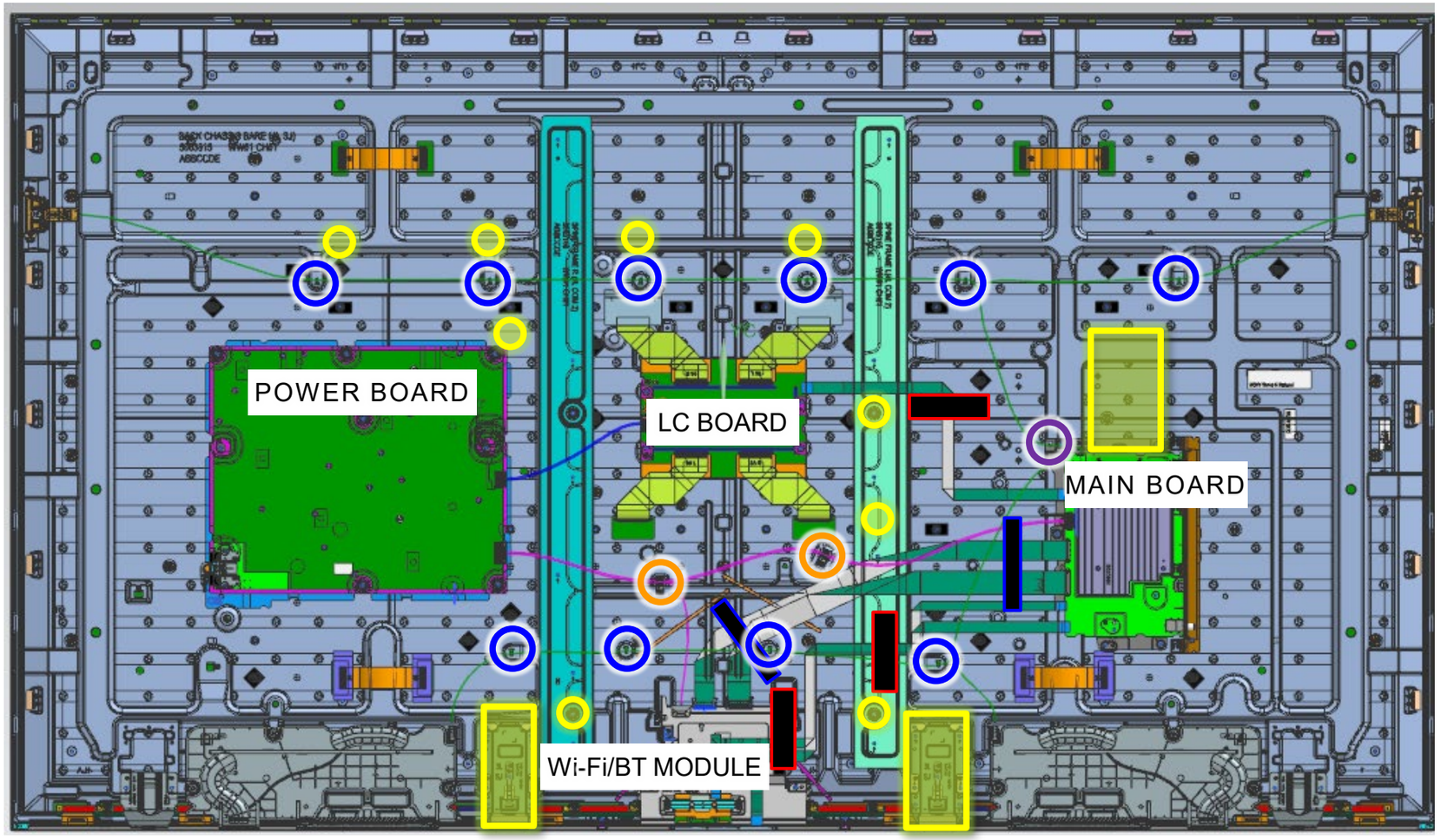
7. Unhook top hook.



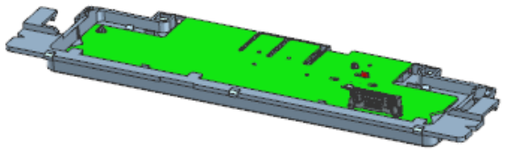
① Hold Bezel Top and push upwards Rear Cover bottom side (left & right side) to unhook top center hook.

② Pull Rear Cover to release the remaining top hook

BOARD LOCATION & WIRE DRESSING 85”



RECEIVER BOARD

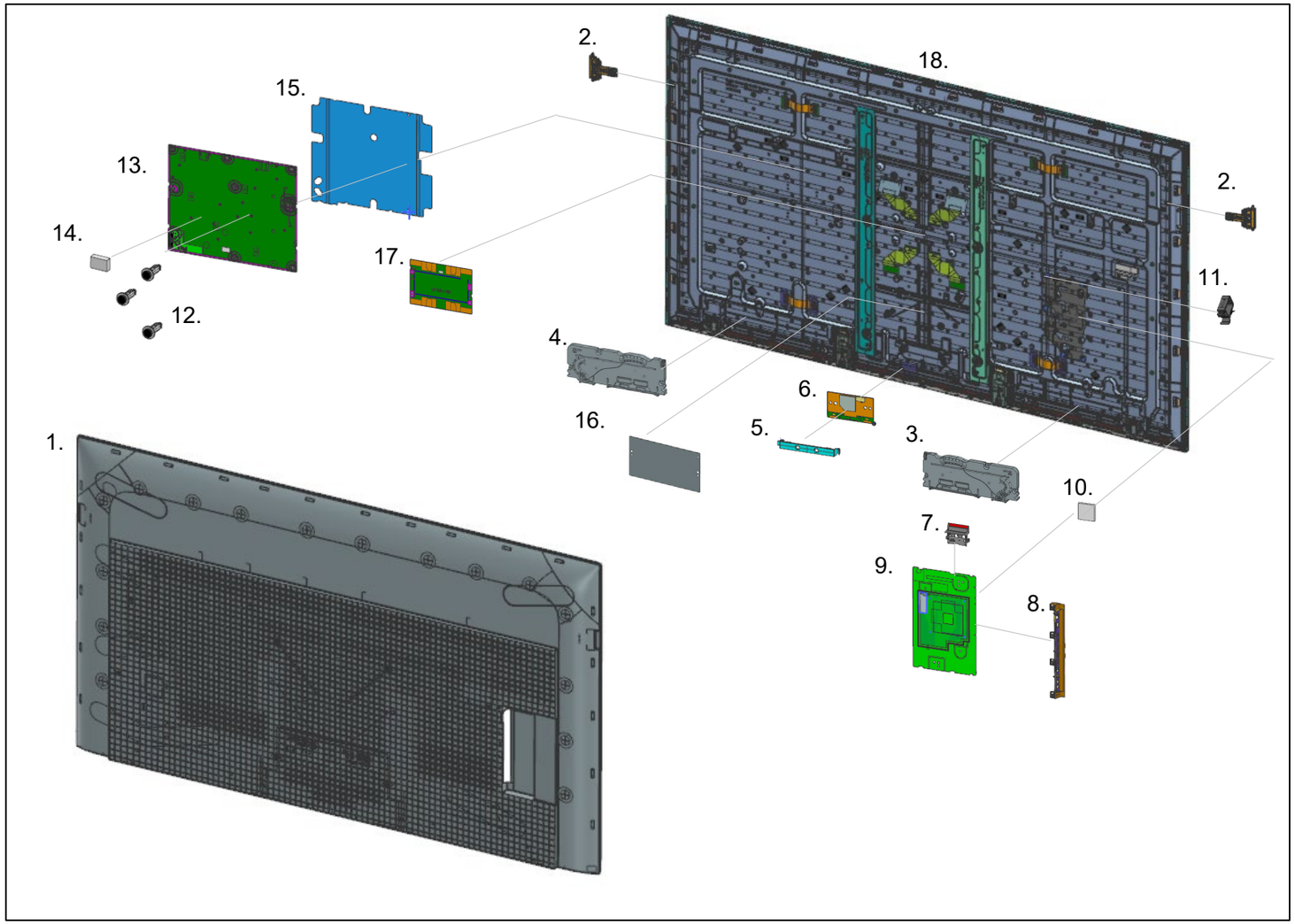


REF. NO	DESCRIPTION	QUANTITY
	VA Tape (70mm)	3
	VA Tape (120mm)	2
	Clamper S(COM2)	10
	Clamper L	2
	Slide Clamper	1
	Caution of pinching wire	-

EXPLODED VIEW & PART LIST 85”

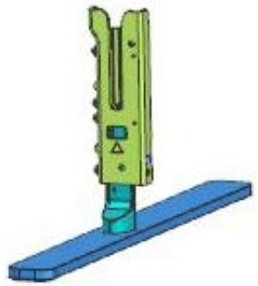
- Place the TV set facing downwards on a stable, level surface before disassembly and assembly of parts.
- ⚠ and shaded parts are critical for safety. Replace only with part number specified.
- 🔒 Parts contain confidential information. Strictly follow the instruction whenever the components are repaired and/or replaced

- (*) Parts are not stocked since they are seldom required for routine service. Some delays should be anticipated when ordering these components.
- Picture provided in this section might have slight difference from the actual sets.
- The reference number beside the part indicates the disassembly sequence.
- Remove screws before disassembly. Unplug connectors before disassembly



Stand

19.

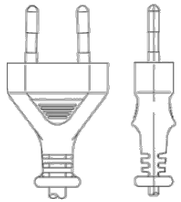
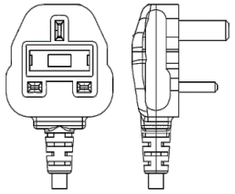


EXPLODED VIEW & PART LIST 85”

SET PART LIST

REF. NO	PART NO.	DESCRIPTION	REMARKS
9	A-5077-526-A	COMPL SVC BM6L25_SJ_EUUK_SOEM	Printed Circuit Board, incl. capacitors
13	1-024-102-11	G52 - STATIC CONVERTER(TV)	Internal Power Supply
16	1-024-431-11	MOUNTED PWB E-T-CON (85)	Printed Circuit Board, incl. capacitors
17	A-5080-375-A	COMPL SVC 25LCL1A1	Printed Circuit Board, incl. capacitors
18	A-5078-604-A	P-MOD(YDFO085MNU02)	Liquid Crystal Display

OTHERS PART

REFERENCE	PART NO.	DESCRIPTION	REMARKS
	1-012-952-21	C7L AC POWER CORD SETS (EU)	CEI (Cable)
	1-012-956-11	C7L AC POWER CORD SETS (UK)	UKA (Cable)

EXPLODED VIEW & PART LIST 85”

CONNECTOR

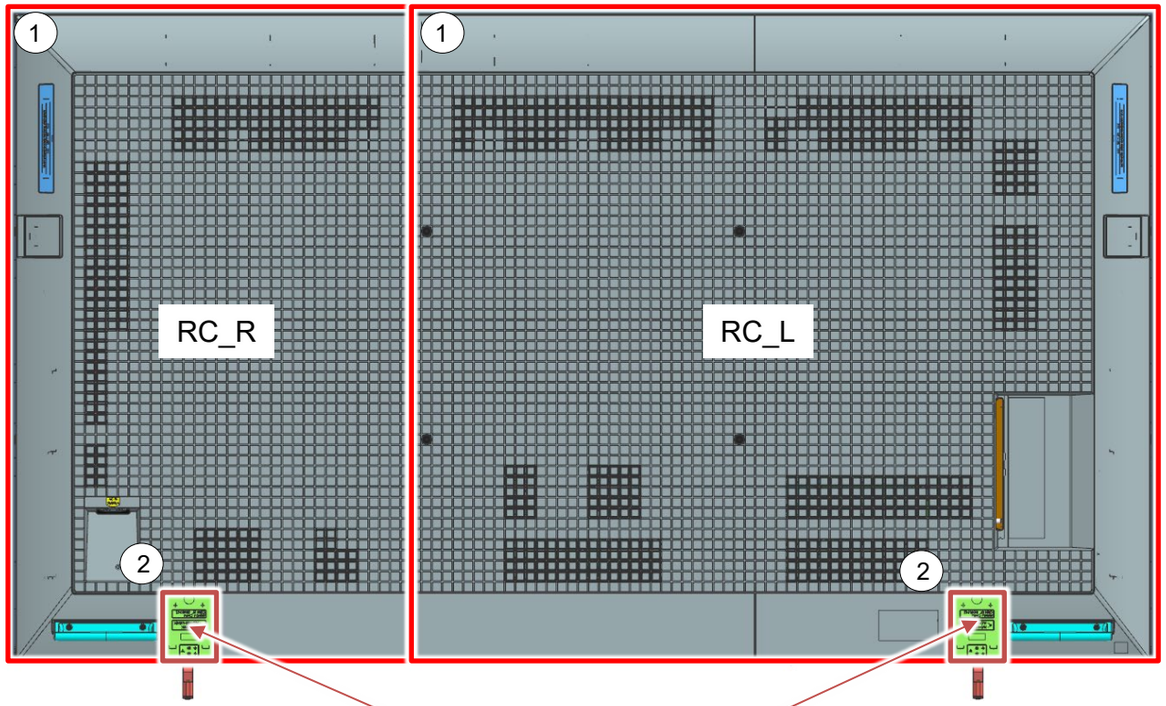
REF. NO	PART NO.	DESCRIPTION	REMARKS
1	1-024-388-11	FLEXIBLE FLAT CABLE 30P	CN6200(B)-CN1000(LC)(1)
2	1-024-386-11	FLEXIBLE FLAT CABLE 51P	CN7200(B)-CN300(TCON)(1)
3	1-024-387-11	FLEXIBLE FLAT CABLE 41P	CN7201(B)-CN301(TCON)(1)
4	1-024-384-11	FLEXIBLE FLAT CABLE 20P	CN3804(B)-BT(1)
5	1-017-732-12	FLEXIBLE FLAT CABLE 25P	CN301(H)-CN8000(B)(1)
6	1-024-401-11	CONNECTOR ASSY 20P(GL)	CN6601(G)-CN2000(LC)(1)
7	1-024-405-11	CONNECTOR ASSY 28P(GBT)	CN6401(G)-CN400(B)-TCON(1)
8	1-024-407-11	CONNECTOR ASSY 4P(SP)	CN6405(B)-SP(1)
9	1-024-406-11	CONNECTOR ASSY 6P(TW)	CN6409(B)-TW(1)
10	1-023-896-11	FFC T-CON (85)	SOURCE BOARD-TCON(2)

REAR COVER

The structure;

① Rear Cover:
- Rear Cover L (5L SJ) A
- Rear Cover R (5L SJ) A

② COVER:
- COVER STD (5L CBN)

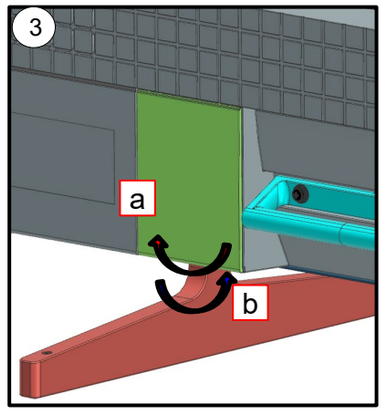


③ STAND:
- L/R is common parts. One position.

COVER STD (5L CBN)

a Dis-assy

b Re-assy by catcher



DISASSEMBLY & REMOVAL CAUTION 98”

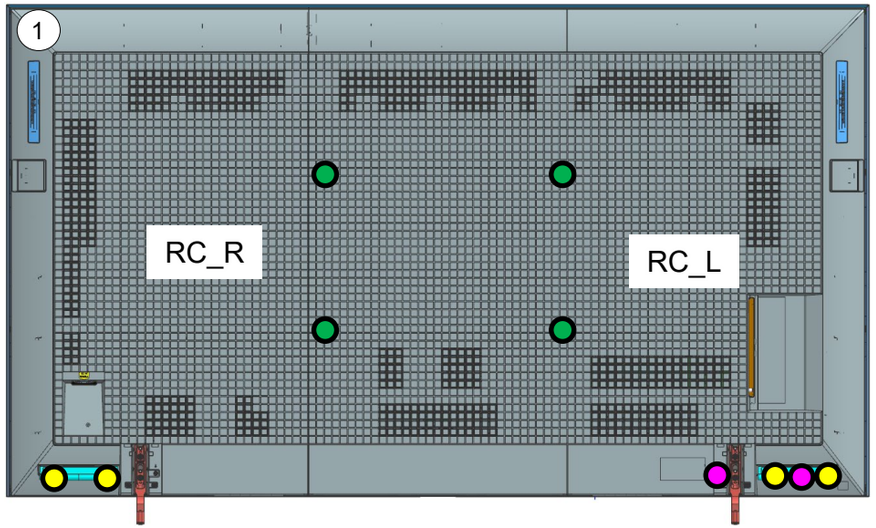
REAR COVER

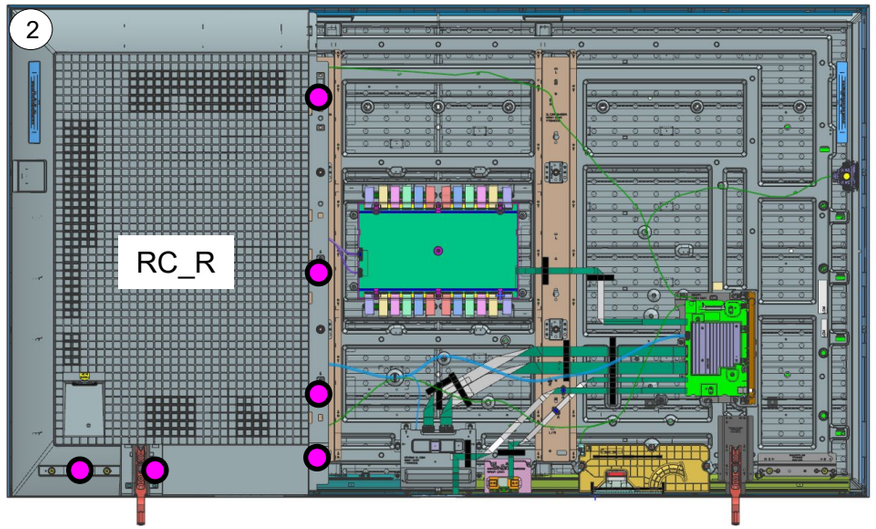
1. Remove COVER STD.
2. Remove 16 screws.

① Remove 10 screws

Under the handle (2 pcs)

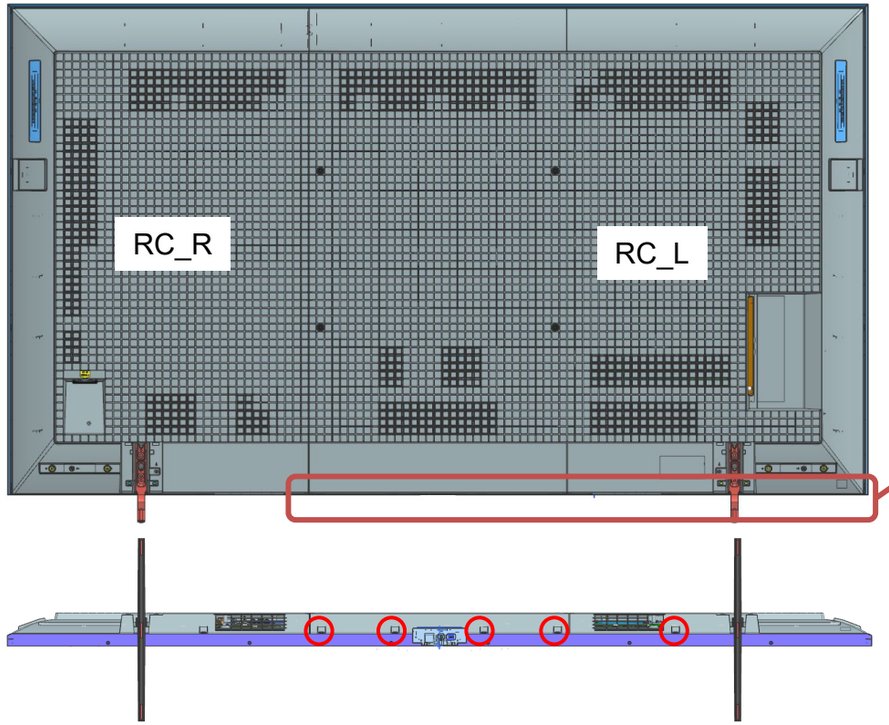
② Remove 6 screws

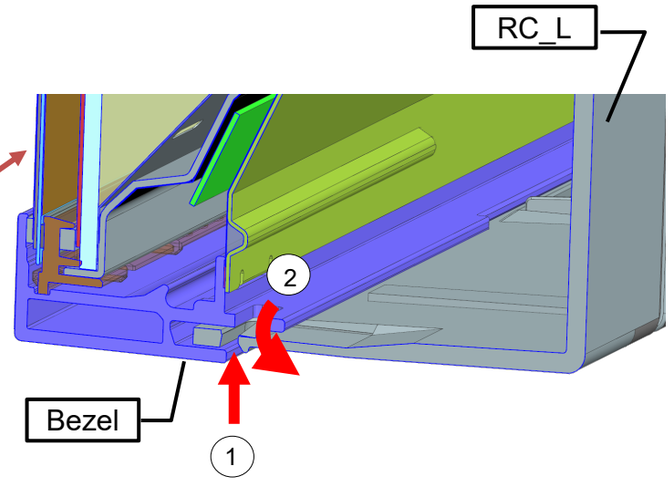




REAR COVER

3. Remove BTM Hook of RC_L (5 places)

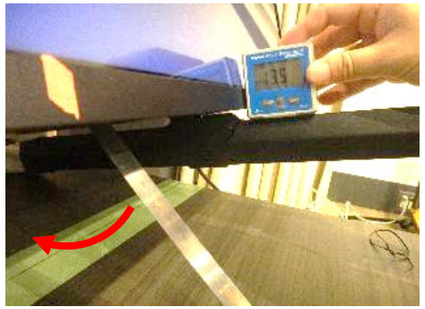


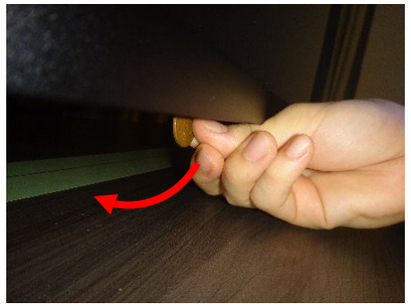


◯:Hook position

① Insert the coin.

② Remove the hook.





Note: Use a 10-yen coin or scale to remove the hook. Easy to use by lifting the front of SET.

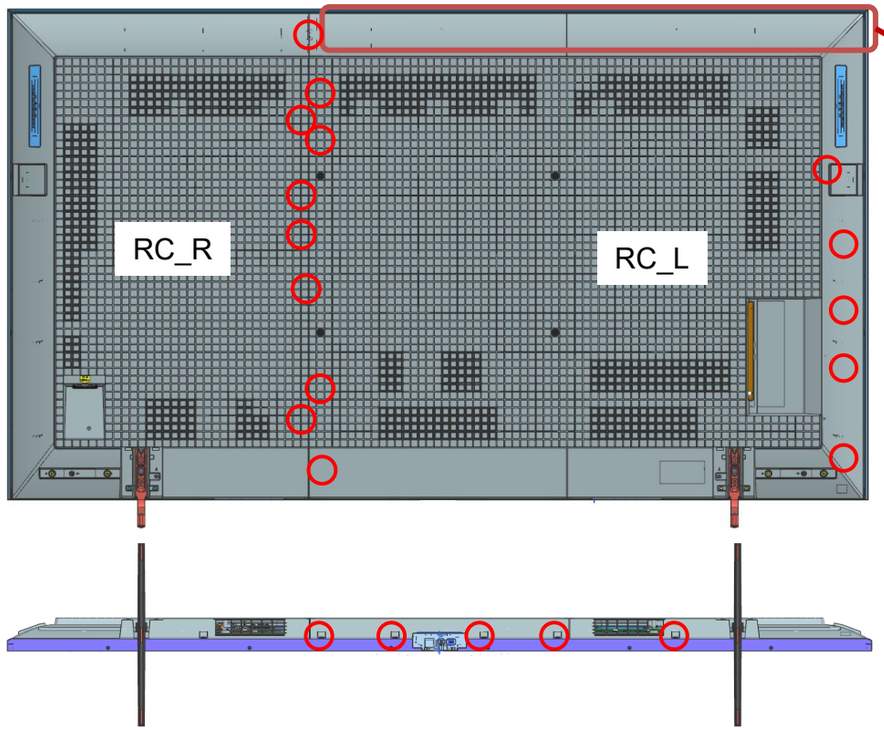
DISASSEMBLY & REMOVAL CAUTION 98”

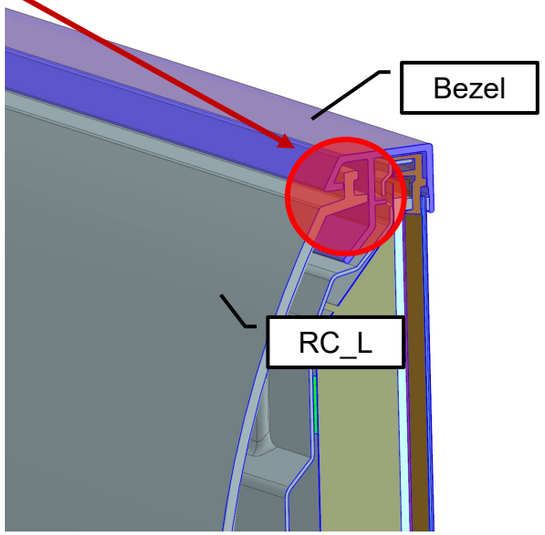
REAR COVER

4. Remove Side Hook and catcher of RC_L (15 places)

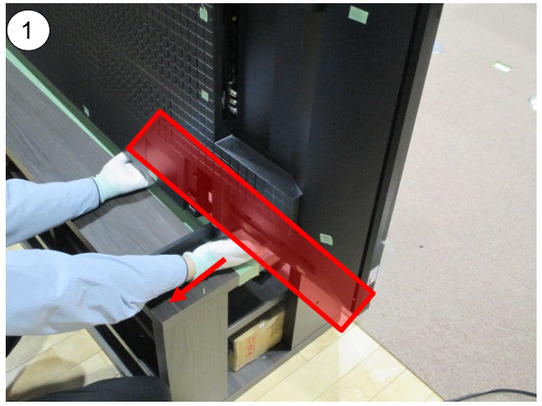
:Hook and catcher position

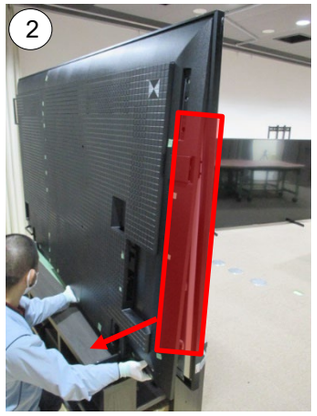
: Rear Cover is inserted in under the Bezel TOP, so pull it out.





① - ③ Remove area.

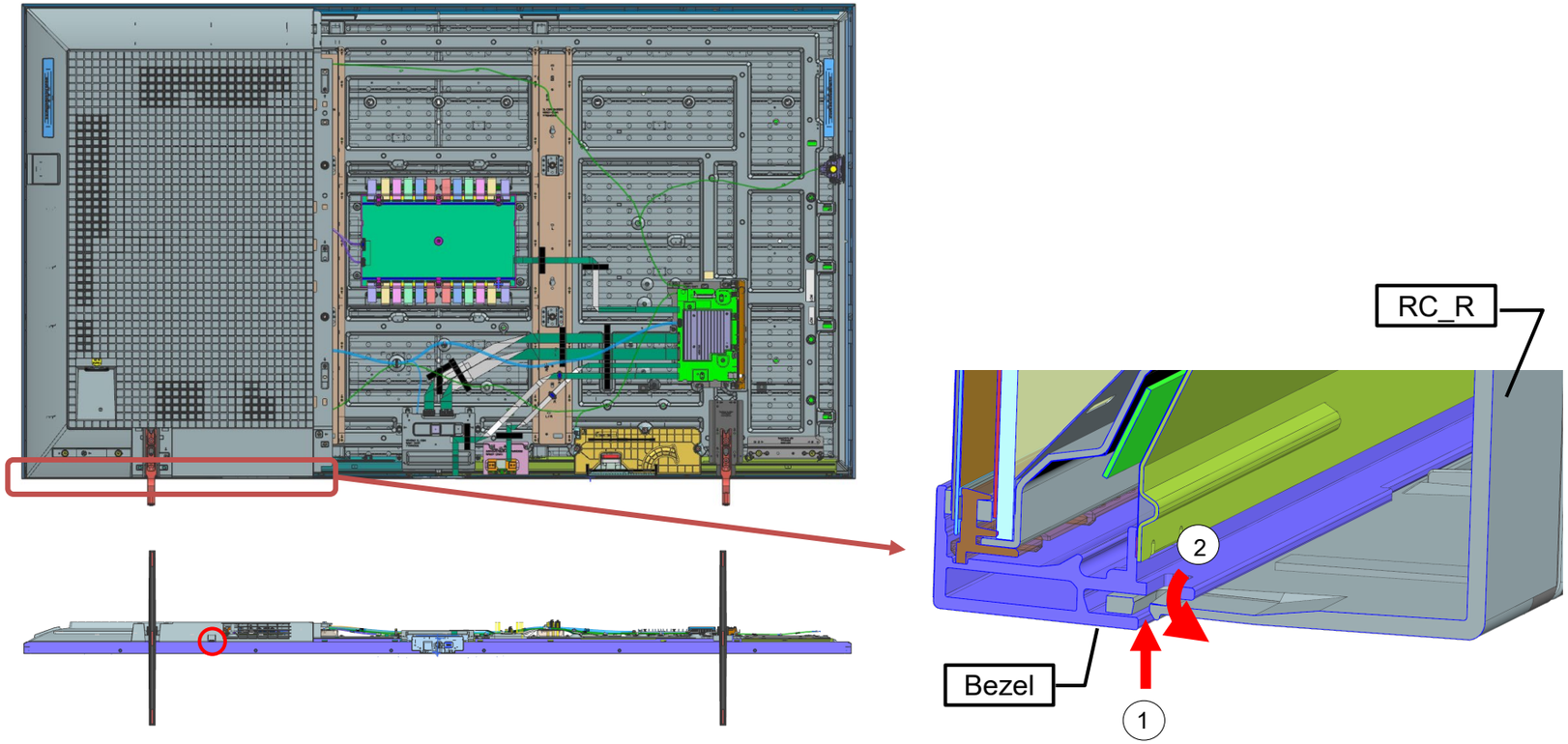




DISASSEMBLY & REMOVAL CAUTION 98”

REAR COVER

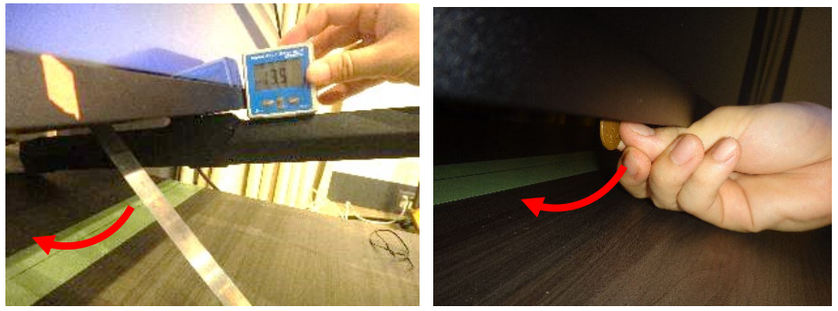
5. Remove BTM Hook of RC_R (1 places)



◯:Hook position

① Insert the coin.

② Remove the hook.



Note: Use a 10-yen coin or scale to remove the hook. Easy to use by lifting the front of SET.

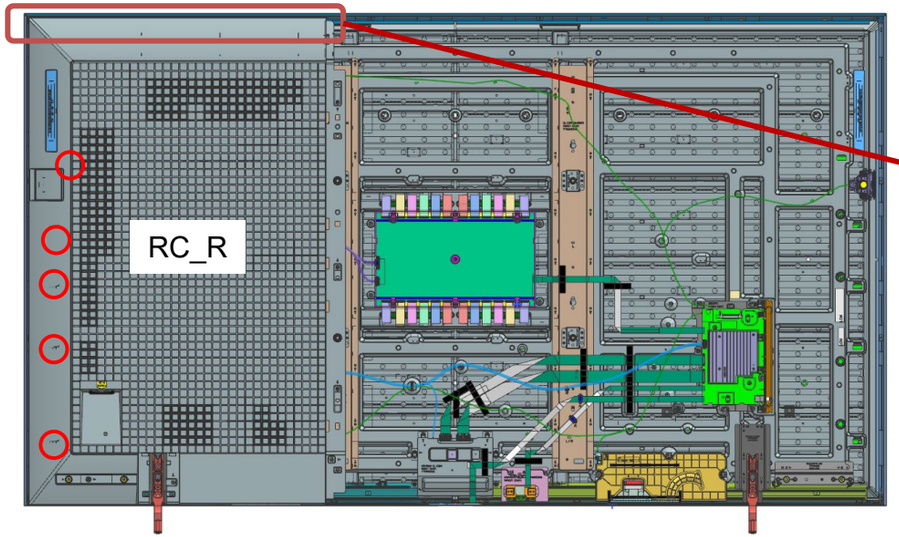
DISASSEMBLY & REMOVAL CAUTION 98”

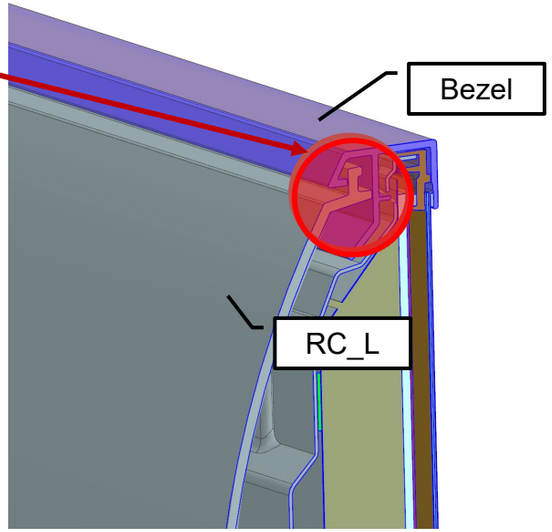
REAR COVER

6. Remove Side Hook of RC_L (5 places)

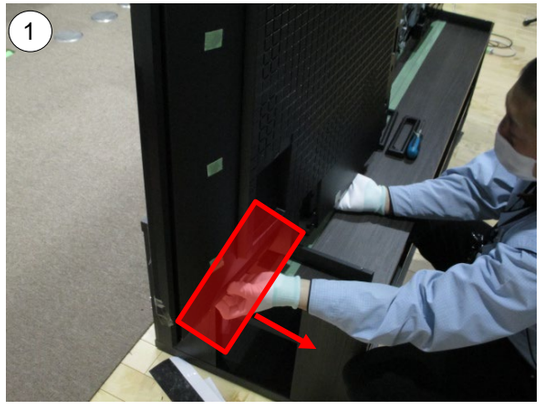
○:Hook position

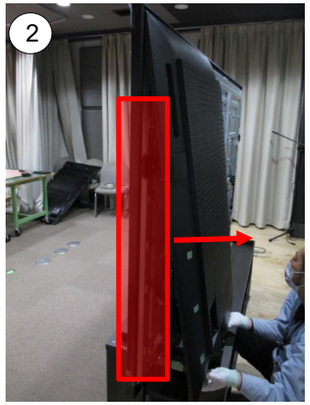
●: Rear Cover is inserted in under the Bezel TOP, so pull it out.



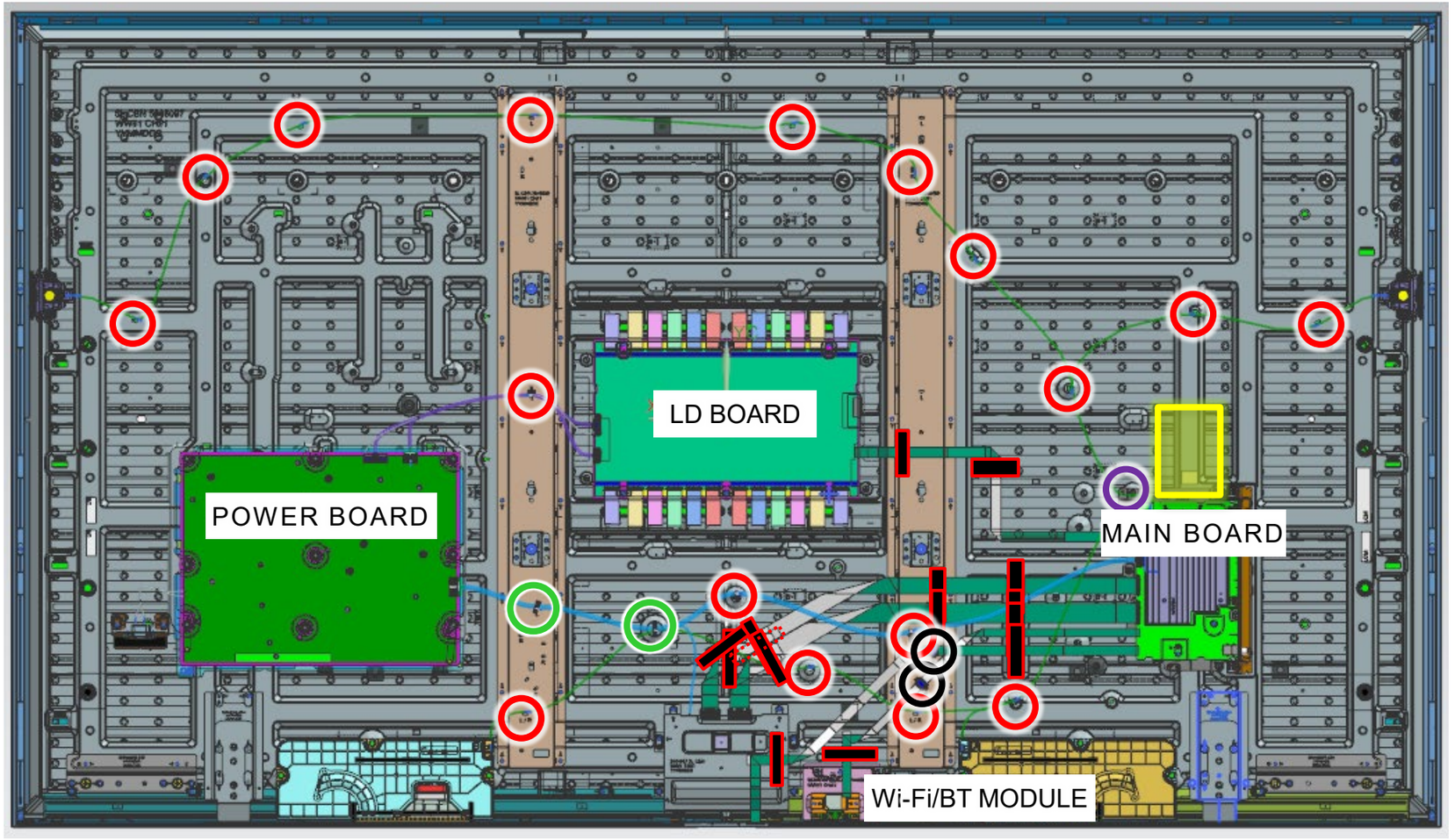


① - ② Remove ▯ area.

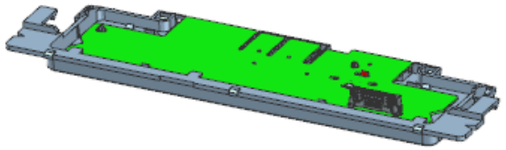




BOARD LOCATION & WIRE DRESSING 98”



RECEIVER BOARD

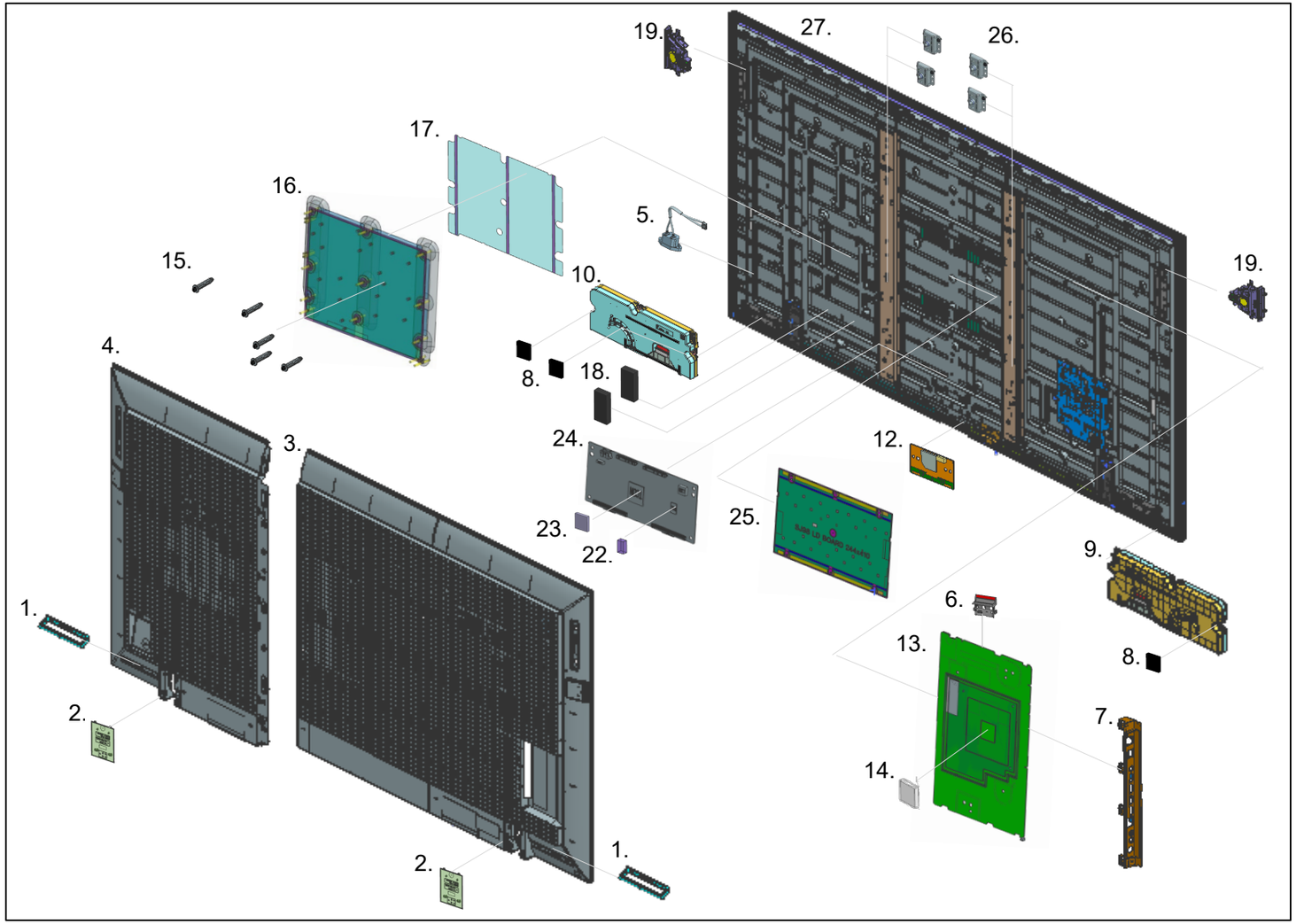


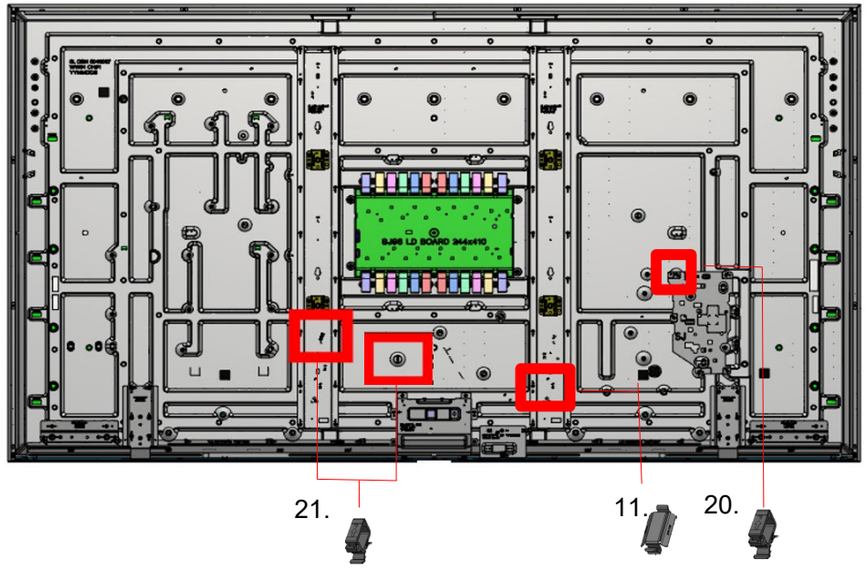
REF. NO	DESCRIPTION	QUANTITY
	VA Tape (70mm)	15
	Slide Clamper	1
	Harness Tie	17
	Clamper	2
	Clamper	2
	Caution of pinching wire	-

EXPLODED VIEW & PART LIST 98”

- Place the TV set facing downwards on a stable, level surface before disassembly and assembly of parts.
- ⚠ and shaded parts are critical for safety. Replace only with part number specified.
- 🔒 Parts contain confidential information. Strictly follow the instruction whenever the components are repaired and/or replaced

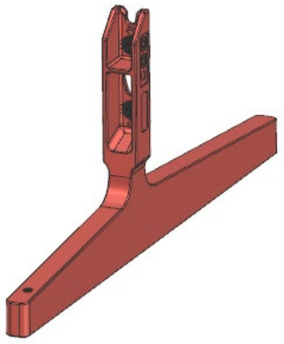
- (*) Parts are not stocked since they are seldom required for routine service. Some delays should be anticipated when ordering these components.
- Picture provided in this section might have slight difference from the actual sets.
- The reference number beside the part indicates the disassembly sequence.
- Remove screws before disassembly. Unplug connectors before disassembly





Stand

28.

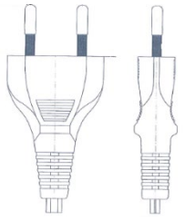
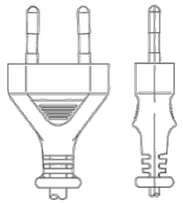


EXPLODED VIEW & PART LIST 98”

SET PART LIST

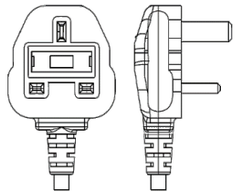
REF. NO	PART NO.	DESCRIPTION	REMARKS
13	A-5077-526-A	COMPL SVC BM6L25_SJ_EUUK_SOEM	Printed Circuit Board, incl. capacitors
16	1-024-103-11	G53 - STATIC CONVERTER(TV)	Internal Power Supply
24	1-023-764-11	MOUNTED PWB E-T-CON (98)	Printed Circuit Board, incl. capacitors
25	A-5077-357-A	25LD720A1 COMPL	Printed Circuit Board, incl. capacitors
27	A-5081-979-A	P-MOD(YDFO098MNS02)(SVC)	Liquid Crystal Display

OTHERS PART

REFERENCE	PART NO.	DESCRIPTION	REMARKS
	1-002-007-11	C17 AC CORD SET(SWISS)	Swiss (Cable)
	1-912-832-11	POWER-SUPPLY CORD SET(EU)	EU (Cable)

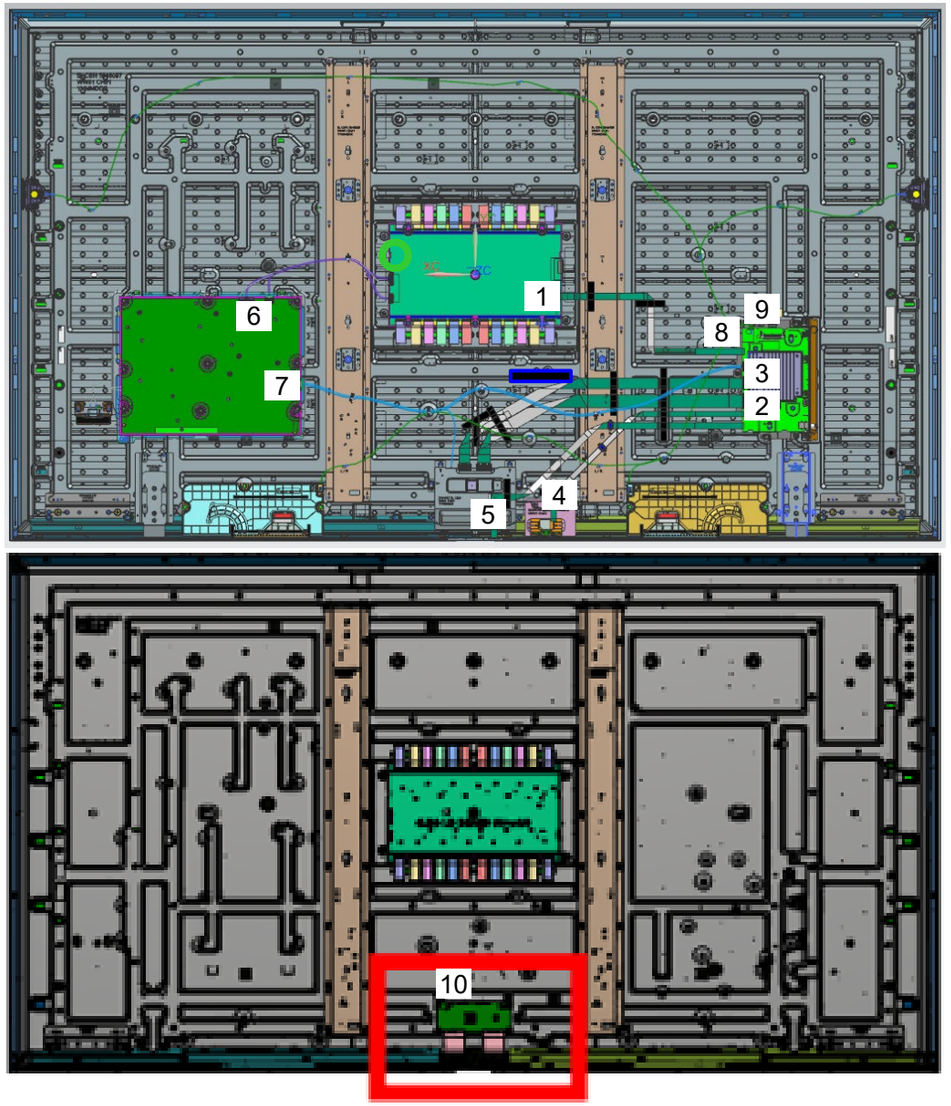
EXPLODED VIEW & PART LIST 98”

OTHERS PART

REFERENCE	PART NO.	DESCRIPTION	REMARKS
	1-001-115-12	POWER-SUPPLY CORD SET(UK)	UKA (Cable)

EXPLODED VIEW & PART LIST 98”

CONNECTOR



REF. NO	PART NO.	DESCRIPTION	REMARKS
1	1-024-392-11	FLEXIBLE FLAT CABLE 30P	CN6200(B)-CN1000(LC)(1)
2	1-024-394-11	FLEXIBLE FLAT CABLE 51P	CN7200(B)-CN300(TCON)(1)
3	1-024-393-11	FLEXIBLE FLAT CABLE 41P	CN7201(B)-CN301(TCON)(1)
4	1-024-390-11	FLEXIBLE FLAT CABLE 20P	CN3804(B)-BT(1)
5	1-024-391-11	FLEXIBLE FLAT CABLE 25P	CN301(H)-CN8000(B)(1)
6	1-024-408-11	HARNESS ASSY 20P(GL)	CN6601(G)-CN2002(LC)-CN6602(G)-CN2001(LC)(1)
7	1-024-409-11	CONNECTOR ASSY 28P(GBT)	CN6401(G)-CN400(B)-TCON(1)
8	1-024-411-11	CONNECTOR ASSY 4P(SP)	CN6405(B)-SP(1)
9	1-024-410-11	CONNECTOR ASSY 6P(TW)	CN6409(B)-TW(1)
10	1-013-392-21	FFC T-CON 96 (75)	SOURCE BOARD-TCON(2)

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